SAMSUNG
SV9000

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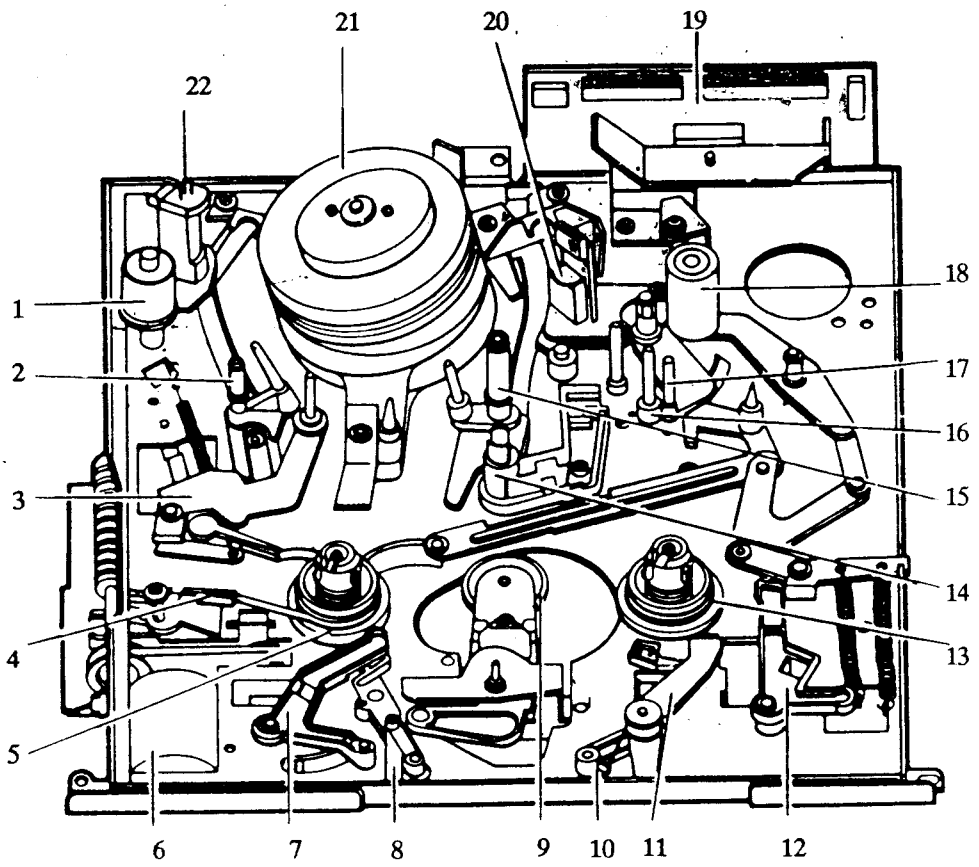
Service Manual

2-2.MECHANICAL DISASSEMBLY

Tape transport Mechanism Identification.
(TOP VIEW)



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1 : ROLLER SUPPLY
2 : GUIDE ROLLER (L)
3 : ARM TENSION ASS'Y
4 : TENSION BAND ASS'Y
5 : REEL DISK (S)
6 : LOADING MOTOR ASS'Y
7 : BRAKE SUB (L)
8 : BRAKE MAIN (L)
9 : IDLER CLUTCH ASS'Y
10: BRAKE MAIN (R)
11 : WEAK BRAKE (T) ASS'Y
12 : BRAKE SUB (R)
13 : REEL DISK (T)
14 : HOLDER LED
15 : GUIDE ROLLER (R)
16 : CAPSTAN D.D MOTOR SHAFT
17 : REVIEW ARM
18 : PINCH ROLLER ASS'Y
19 : DECK JOINT ASS'Y
20 : ASS'Y A/C HEAD
21 : DRUM ASSEMBLY
22 : ASS'Y F/E HEAD

(BOTTOM VIEW)

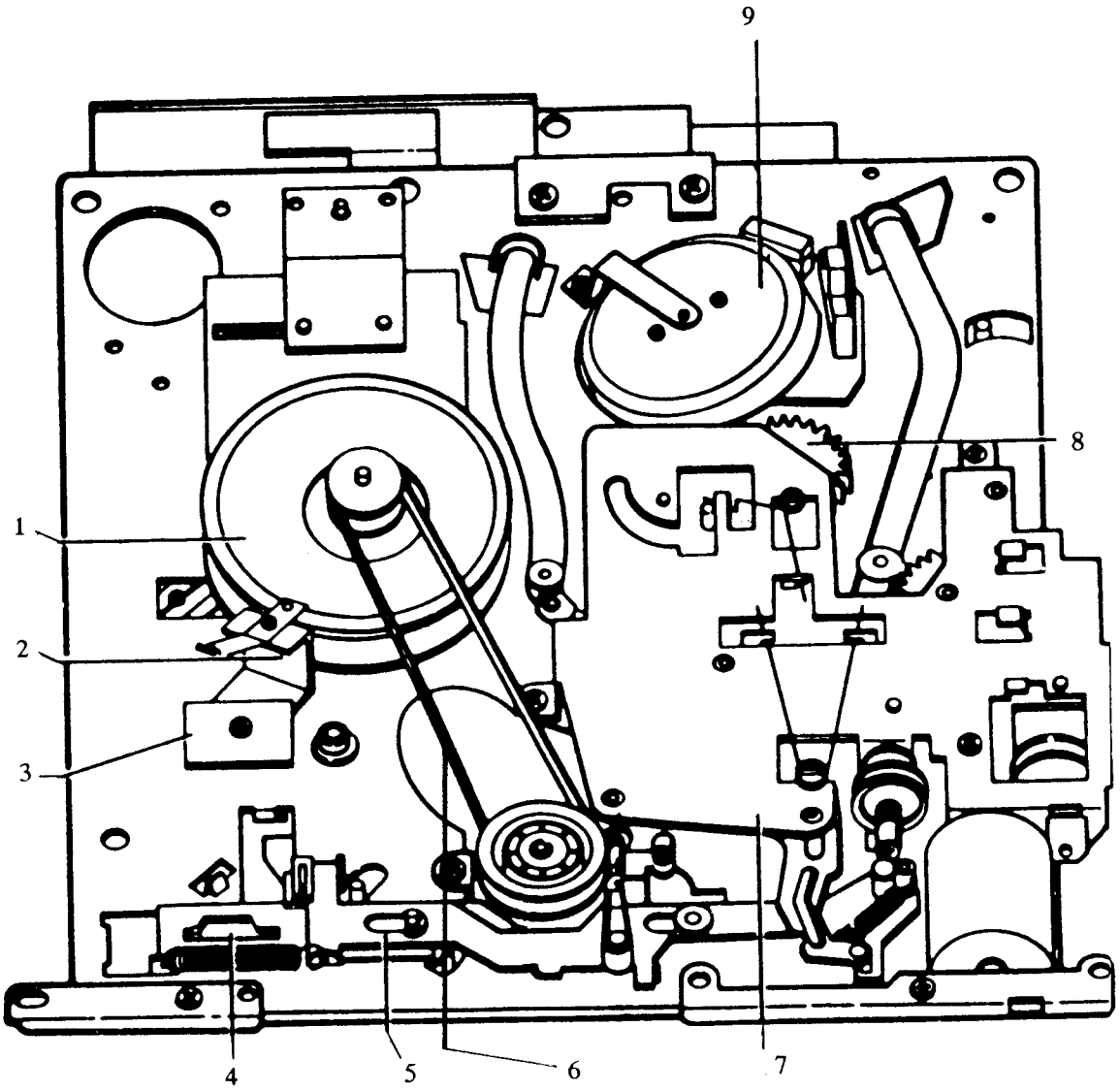

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Fig 10

1 : CAPSTAN D.D MOTOR
2 : BRAKT PHOTOIN
3 : REEL PCB
4 : PLATE MAIN SLIDE
5 : I.B SLIDE ASSEMBLY
6 : ILDER BELT
7 : LOADING MOTOR ASSEMBLY
8 : ASSEMBLY GEAR LOADING (L)
9 : MOTOR DRUM

2-2-1. Housing Assembly Removal

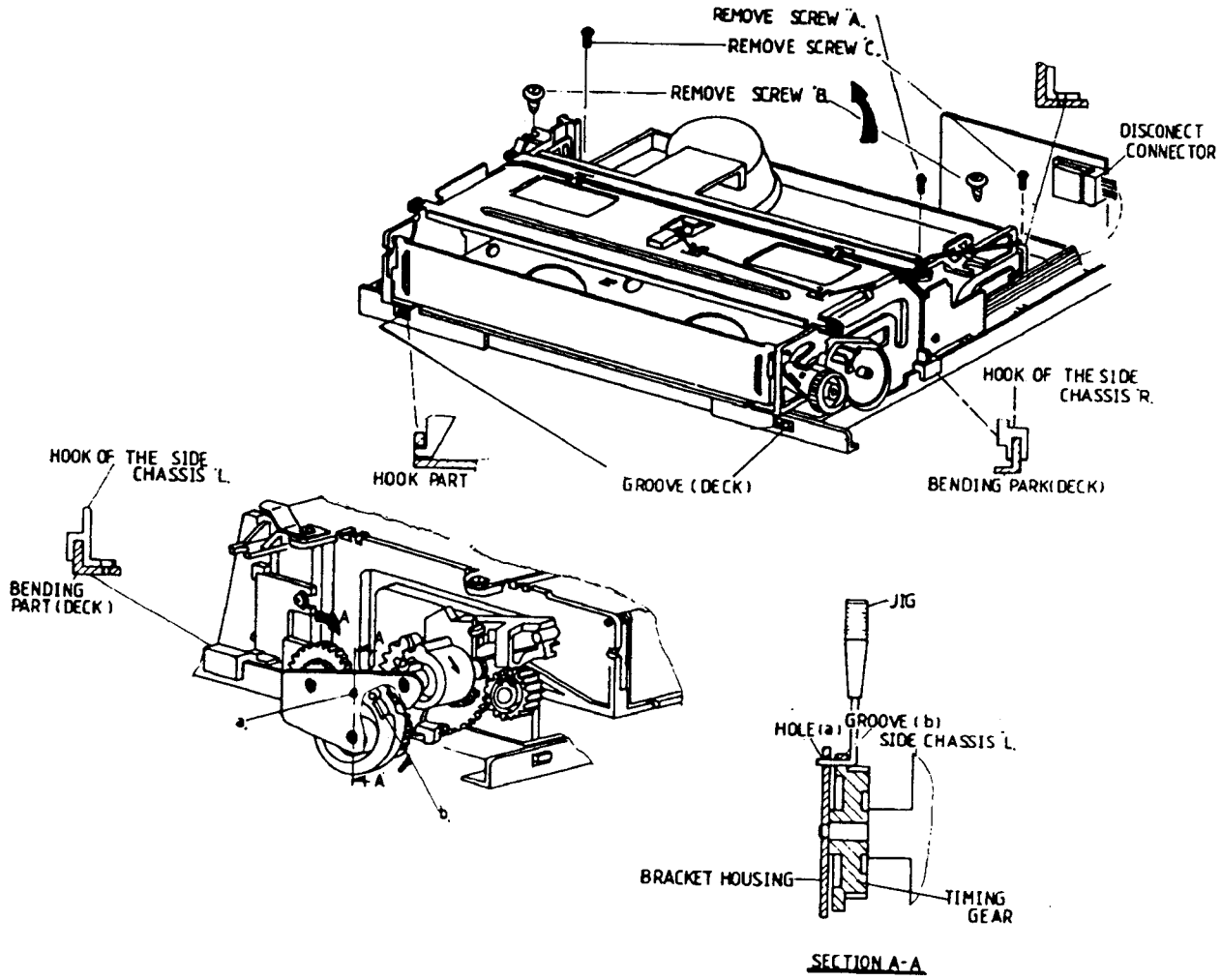

Fig.12

1. Follow the procedure for removing the panels. (See Figs1 to 3)
2. Disconnect the connector(CN0204) from P C B Deck Joint board.
3. Remove the two screws A.
4. Remove the three screws B and C to relese ground.
5. Lift the rear of the housing assembly toward arrow mark.

Note:

* When reinstalling housing assembly to the deck, first insert the hook part of the housing ass'y into the groove of the deck.Second fit the hook of the side chassis(R)(L) to the bent part of the deck.

* Before reinstalling screws, check assembling point of the timing gear and arm gear, rotating the worm gear to the direction of arrow A.

A) Assembling point is the point that the holeof the gear holder plate corresponds to the groove of the timing gear as in Fig 12/A-A'.

B) If the assembly point is not correct .Ass'y will not operate smoothing or jam.

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2-2-2. Housing Assembly Identification

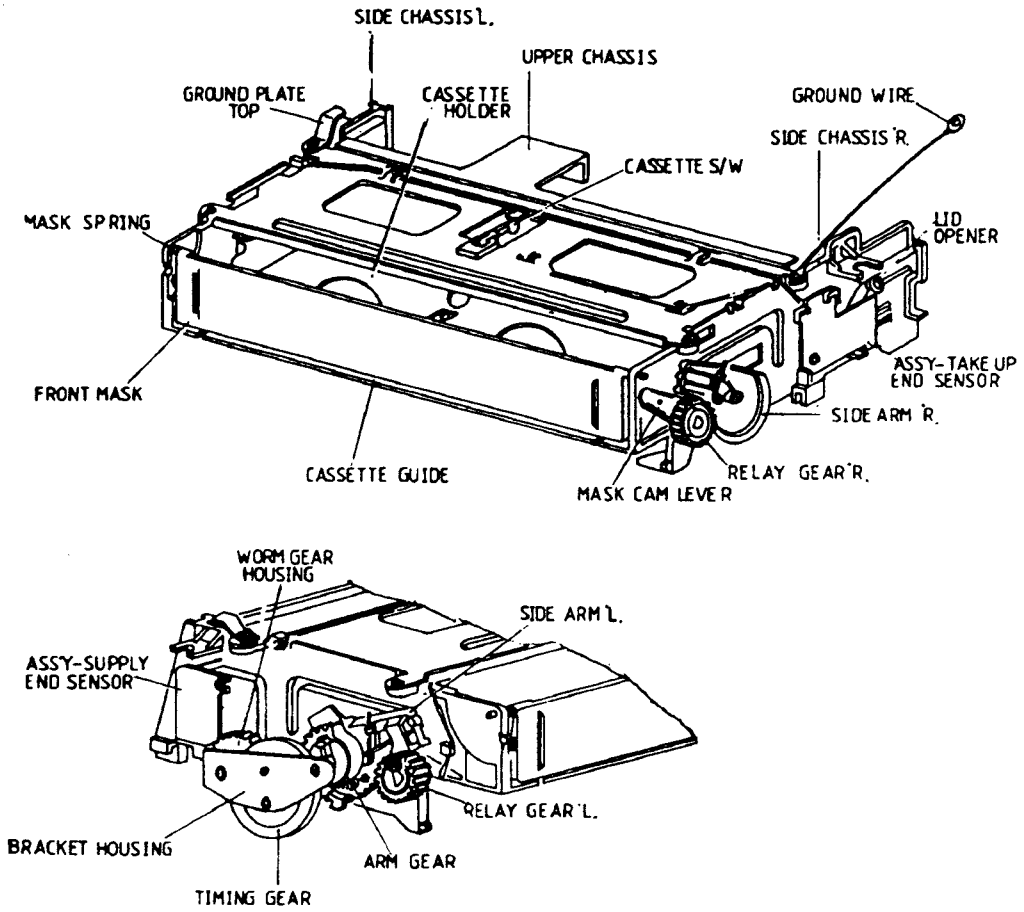

Fig.13

2-2-3. Housing Assembly Disassemmbly

1. Front mask removal.

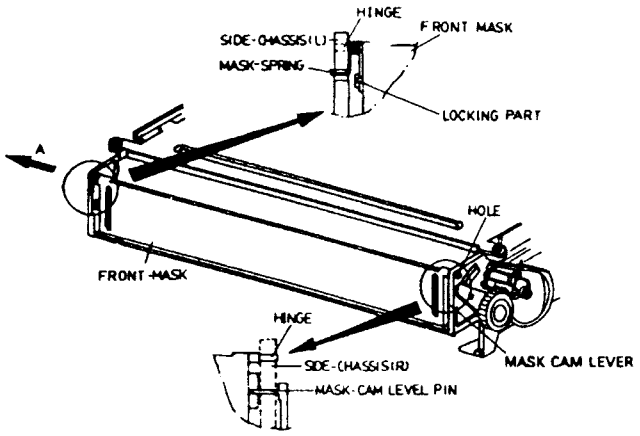

Fig.14

* Pull front mask in the direction of arrow A, release front mask hinge part from the hole in the side -chassis(R) and release hinge part in the hole in the side-chassis (L) release in the reverse direction.

2. Rec S/W Cassette S/W PCB Start Sensor Removal.
   Release REC S/W attached to the cassette guide.

Note:

* One end of the mask spring must be reinstalled in the lock part of the front mak and the other end must be reinstalled in the hook part of the side chassis(L).

* Upon reinstallation of the front mask slide, lever pin of the mask cam in the side-chassis(R) must be reinstalled. (Ref.Fig14).

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* Cassette Switch Removal.

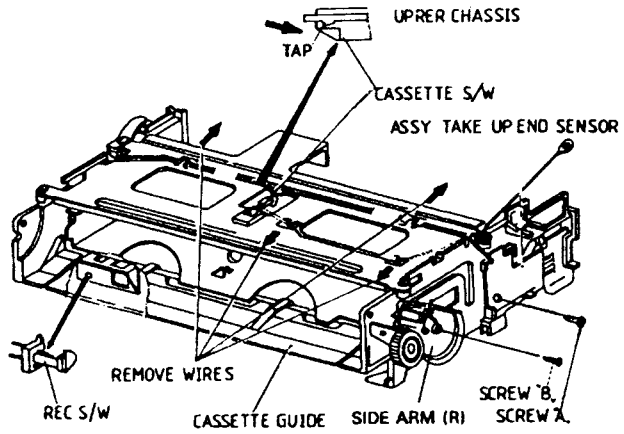

Fig.15

1). Release the tap of the cassette S/W and remove. (Fig 15)
2). Remove the screw of the start sensor PCB removal. (Fig.15)
3). Remove the wires. (Fig.15)
4). After removing the lid opener spring, remove the lid opener pulling the locking part in the direction of the arrow. (Fig.17)

3. Supply End Sensor Ass'y Removal.

* After removing the screw at the side chassis(L), remove PCB end sensor.

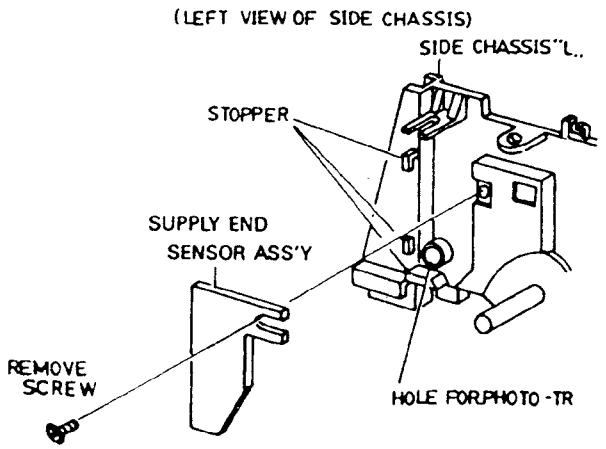

Fig.16

Note:

Be careful not to demage the TR and Photo TR attached to the supply End sensor Ass'y.

4. Lid Opener Removal

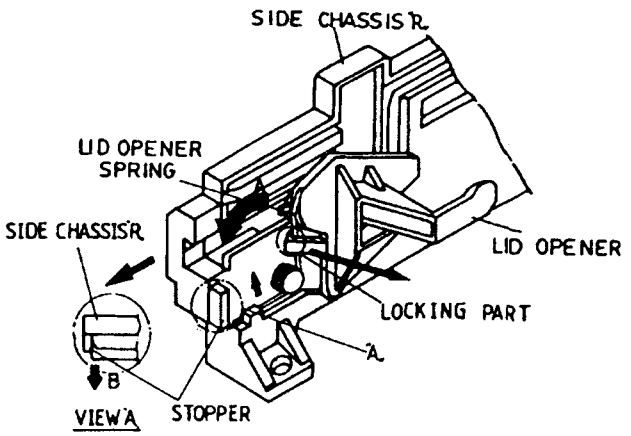

Fig.17

* Remove the lid opener spring from the locking part of the lid opener.

* Pull the lid opener in the direction A. and release the locking part pulling it in the direction B (Refer to view A)

5. Timing Gear, Side Arm (L) Assy&Worm Gear Housing Removal

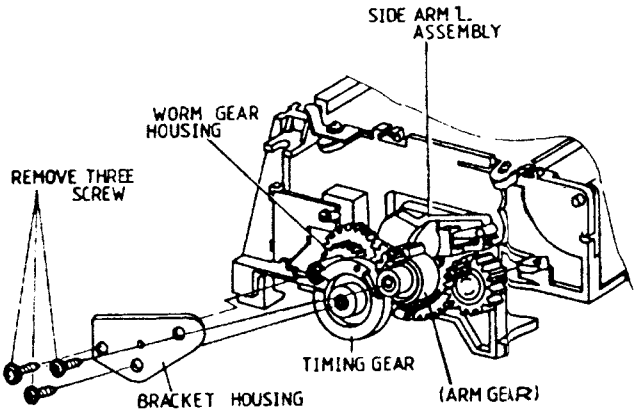

fig.18

1). Remove the three screws from the housing bracket. (Fig.18) (Remove the ground wire)
2). Remove the timing gear and the side arm(L) assembly and the worm gear housing.

Note:

Upon reinstallation, check to see if the shaft (R) and (L) of the cassette holder is inserted at the home position of side arm(R) and (L).

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6. Side Arm (R) and (L) Reinstallation

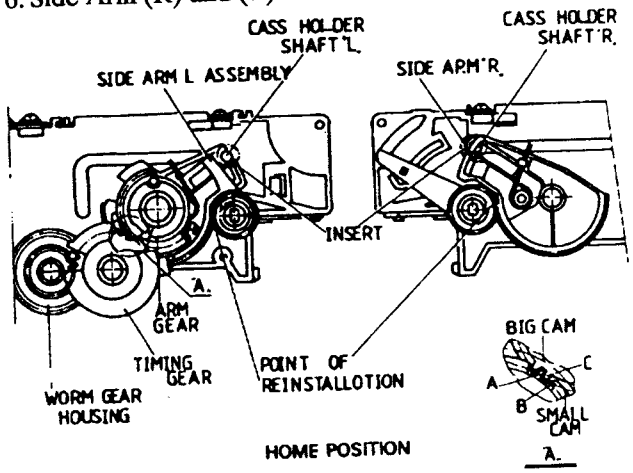

Fig.19

7. Upper Chassis Removal.

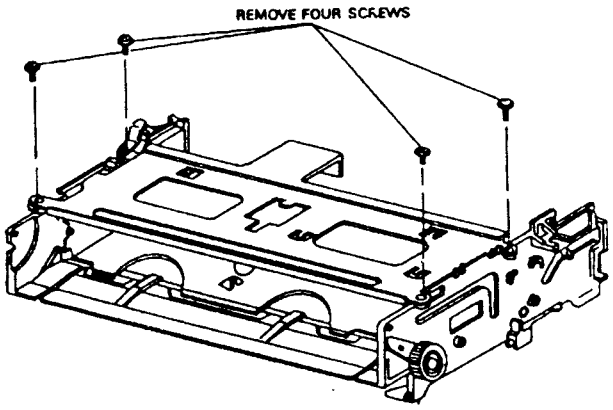

Fig.20

After removing four screws, pull the upper chassis upward to remove. (Fig. 20)

1). Release the eject spring .
2). Remove the arm gear.
3). Release the tension spring L.

8. Side Arm(L) Assembly Removal.

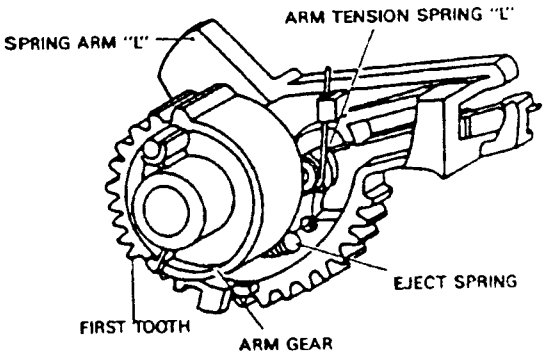

Fig.21

2-2-4.. HOW TO ASSEMBLE CASSETTE HOUSING

2-2-4-1. Without Jig for Assembling

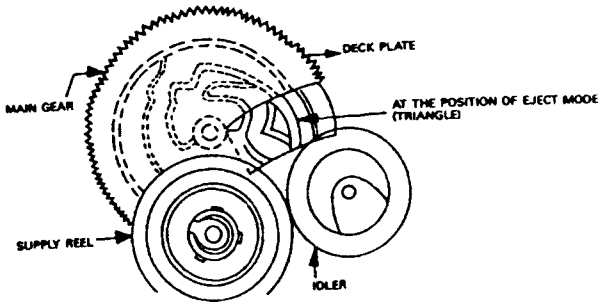

Fig.22

1. Before assembling the cassette housing, eject loading gear completely.
2.. Make certain the main gear of the loading motor is at the eject position as Fig.22.
3. As shown Fig .23, rotate the worm gear housing of cassette housing in the direction of the arrow, until the rotation comes to stop.

* Check the movement of the front loading mechanism, it should move freely from the eject to the cassette load position. If not the worm gear housing is in the wrong position.

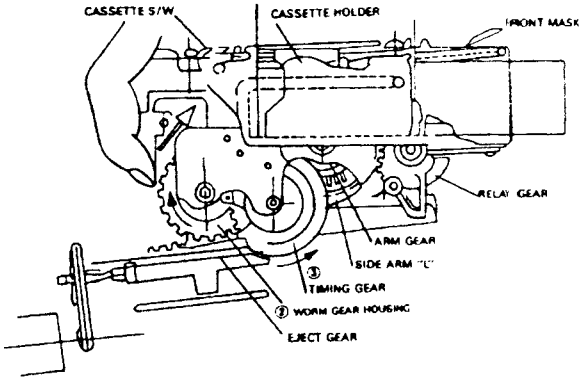

Fig 23

if the cassette tape does not come out in the eject mode, assembling of gears(2) and (3) is not correct , reassemble the cassette housing.

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2-2-4-2. With Jig for Assembling

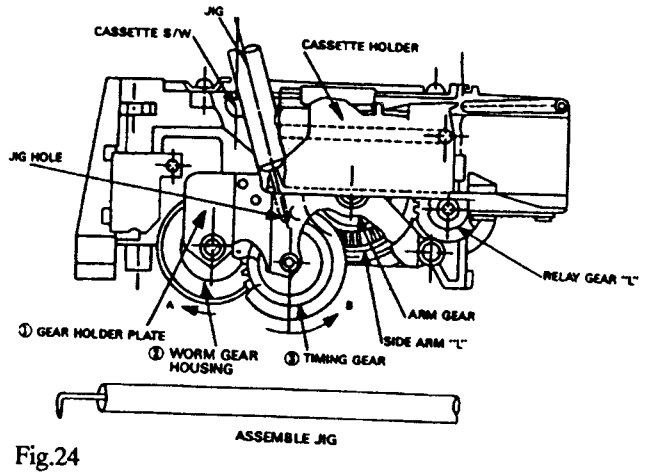

Fig.24

As shown in Fig.24, rotate the timing gear (3) and worm gear housing (2) to the direction of A and B, Aligned the hole of gear holder plate (1) and timing gear (3) and then insert the assembly jig in the hole to set-up the deck.

2-2-5. Mechanical Chassis Assembly Removal.

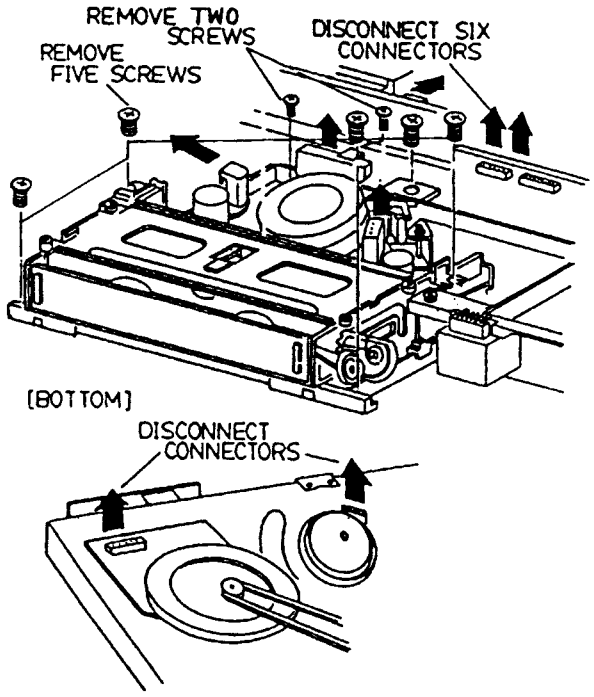

Fig.25

1. Remove the Panels. (See Fig. 1 to 3)
2. Disconnect the six connectors. (four on top, two on bottom)
3. Remove the two screws and pull the video head pre-amp ass'y assembly upward to remove.
4. Remove a ground straps from bottom.
5. Remove the five screws and pull the mechanism chassis assembly upward to remove

2-2-6. Video Head (Upper Drum) Removal and Drum Motor Assembly Removal.

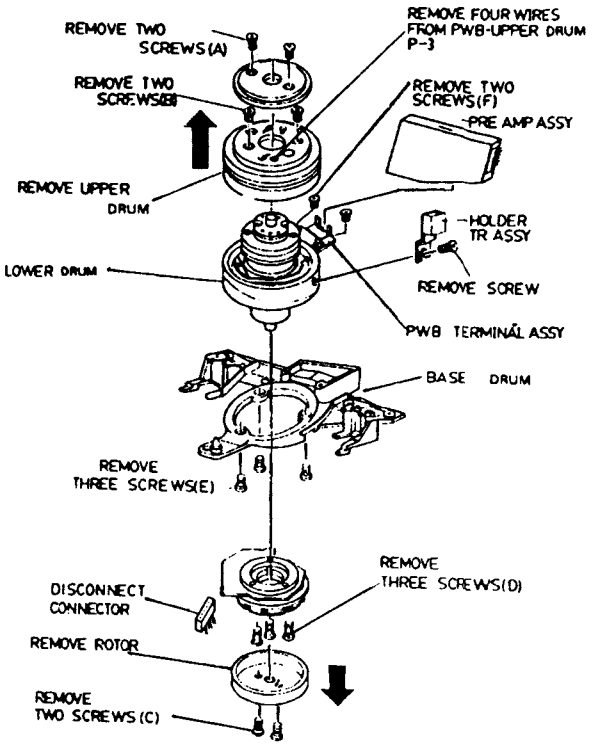

Fig.26

Note:

Take extreme care when removing the upper drum. Do not touch the video head tips (located in the upper drum) during servicing.

* Follow the procedure for removing

1. Remove the top cabinet. (See Fig. 1)
2. Remove the bottom cover. (See Fig. 2)
3. Remove two (A) screws holding the upper drum cover.
4. Remove four wires soldered to PWB-Upper Drum P-3.
   Note: Upon reinstallation, connect four wires to wires of the same color which are soldered PWB-upper drum P-3.
5. Remove two(B) screws on the upper drum.
6. Lift up the upper drum in the direction of the arrow.
7. Remove video head pre-Amp ass'y two screws.
8. Remove two(C) screws holding the fly wheel.
   Note:Before removing flywheel mark position.
9. Disconnect connector (CN004) from the drum motor.
10. Remove three screws(D) holding the drum motor.

* When it is necessary to remove lower drum, remove three screws (E) and lift up the lower drum assembly in the direction of the arrow.

Note:

Upon reinstallation, alternately tighten the two screws holding upper drum and perform the following adjustments.

* Tracking preset adjustment.

* A/C head horizontal position adjustment (X-Point Adj).

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2-2-7. Full Erase(F/E) Head & Supply Roller Removal

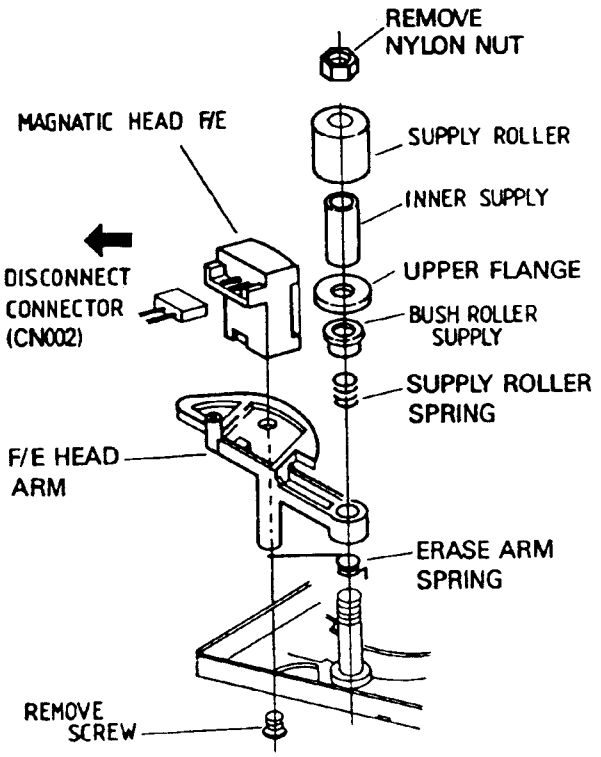

Fig.27

1. Remove the top cabinet.(See Fig.1)
2. Disconnect the connector (CN002)from the F/E head.
3. Remove the nut at the top of the supply roller and remove the supply roller,inner supply, upper flange, supply roller bush.
4. Remove the supply roller spring.
5. Pull the F/E head arm upward to remove.
6. Remove the screw holding the F/E head.
7. Pull the erase head arm spring from the hole upward and remove.
8. After replacing or reinstalling the F/E head, clean each tape contact surface of the F/E head and supply roller.

Note;
Upon reinstallation, turn the nylon nut firmly (fix type).

2-2-8. Audio / Control (A/C) Head Removal

1. Remove the top cabinet. (See Fig. 1)
2. Disconnect the connector (CN005) from the A/C head.
3. Remove the hex nut holding the A/C head holder and remove the plain washer.
4. Pull the A/C head assembly upward to remove.
5. Remove screw (A) and spring (A).
6. Remove screw (B) and remove A/C head assembly.
7. After replacing or reinstalling the A/C head assembly holbor, clean the tape contact surface of the head.

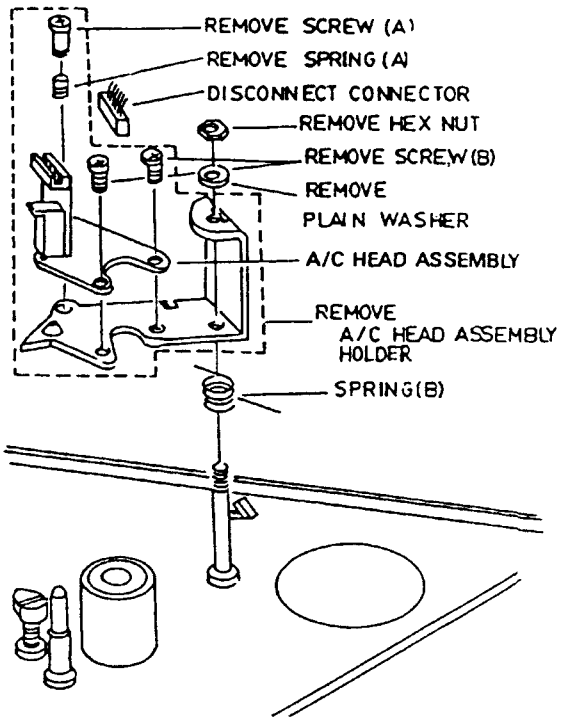

Fig.28

Note:
Upon reinstallation, hook the spring between A/C head base and mechanism chassis.
After installing the A/C head asslembly holder, perform the following adjustments.

1) A/C Head Height, Tilt and Azimuth Adjustments.
2) A/C Head Horizontal Position Adjustment(X-Point).
3) Audio Playback Gain Adjustment.
4) Audio Bias Level Adjustment.

* Audio head height must be performed before A/C head horizontal position adjustment is performed.
* If audio head height is adjust, the A/C head horizontal position must be readjusted.
* After completion of the A/C head position adjustment, the A/C head base must be positioned at approximately the center of the X-Point nut adjust.

2-2-9. Loading Motor Assembly Removal

1. Remove the top cabinet. (See Fig. 1)
2. Remove the bottom cover. (See Fig. 2)
3 Remove the mechanism chassis assembly. (See Fig. 25)
4. Remove the housing assembly. (See Fig. 12)
5. Remove the slit washer.
6. Remove the two connectors.
7. Release the spring (Loading pin side first).
8. Remove the three screws and pull the loading motor assembly upward in the direction of the arrow (A).

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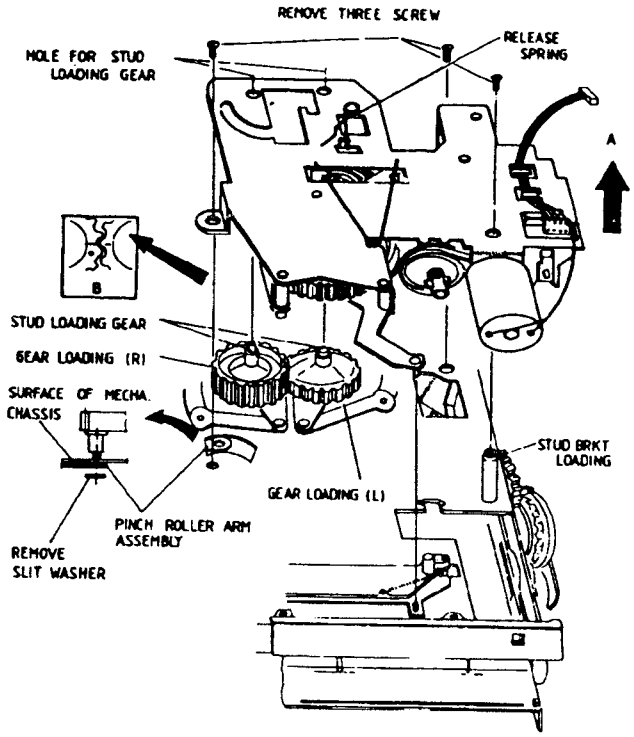

Fig.29

Note

Upon reinstallation, be sure the marks on the gear loading (L), (R) are positioned in line (See B).

2-2-10. Tension Arm Assembly, Tension Band Assembly Removal

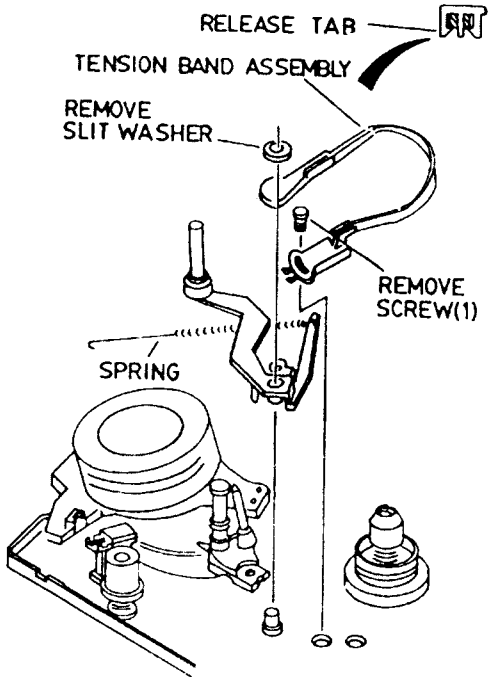

Fig.30

1. Remove the screw holding the tension band assembly.
2. Remove the spring hooked on the chassis.
3. Remove the slit washers and pull the arm tension assembly upward.
4. Release the tab holding the tension band assembly.

Note

Confirm back tension after reinstalling.

2-2-11. Brake Sub (R) Assembly and Brake Sub (L) Assembly Removal

1. Follow the procedures for removing the panels. (See Figs. 1 to 3)
2. Remove the housing assembly. (See Fig. 12)
3. Remove the two slit washers and release the sub brake (R) spring.
4. Release the tabs holding the brake Sub (R) assembly and brake sub (L) assembly.

Note

Take care when removing spring.

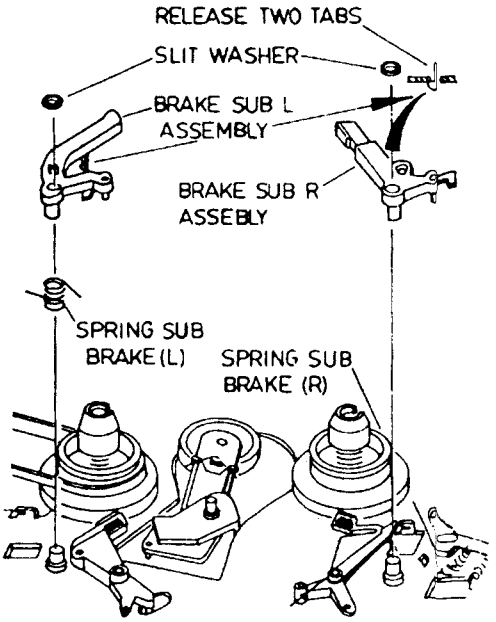

Fig.31

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2-2-12. Brake Main (L) Assembly and Brake Main (R) Assembly Removal

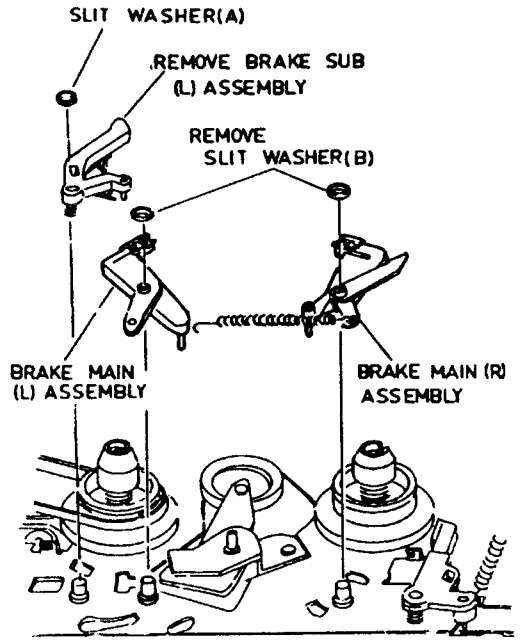

Fig.32

1. Follow the procedures for removing the panels. (See Figs. 1 to 3)
2. Remove the housing assembly. (See Fig. 12)
3. Remove the brake sub (L) assembly. (See Fig. 28)
4. Remove the two slit washers.
5. Release the spring hooks on the brake main assemblies.

2-2-13. D.D Capstan Motor Removal

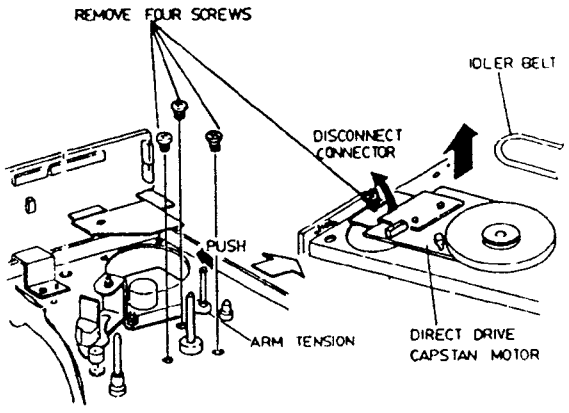

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Fig.33

1. Remove the top cabinet.(See Fig. 1)
2. Remove the bottom cover. (See Fig. 2)
3. Release the idler belt and disconnect connector from D.D capstan motor.
4. Remove four screws.
5. Push the review arm assembly, remove four screws.

2-2-14. Assembly Gear Loading (L)(R) Removal

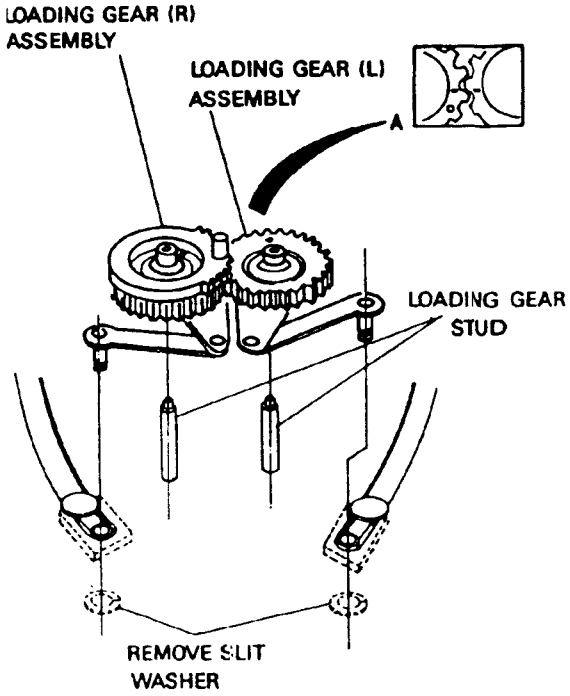

Fig.34

1. Follow the procedures for removing the panels. (See Figs. 1 to 3)
2. Remove mechanism chassis assembly. (See Fig. 22)
3. Remove the housing assembly. (See Fig. 12)
4. Remove the loading motor assembly. (See Fig. 29)
5. Remove the slit washer holding on the loading arm assembly.

Note

Place gears in the unloaded position upon reinstallation, be sure the marks on the gear loading (L)(R) arepositioned in line. (See. A)

2-2-15. Guide Roller Assembly Removal

1. Remove the top and the bottom cover. (SeeFigs. 1,2)
2. Loosen each set screw at the pole base assembly.
3. Turn the guide roller assemblies counterclockwise.
4. After replacing or reinstalling the guide roller assemblies, clean each tape contact surface of the guide roller assemblies.

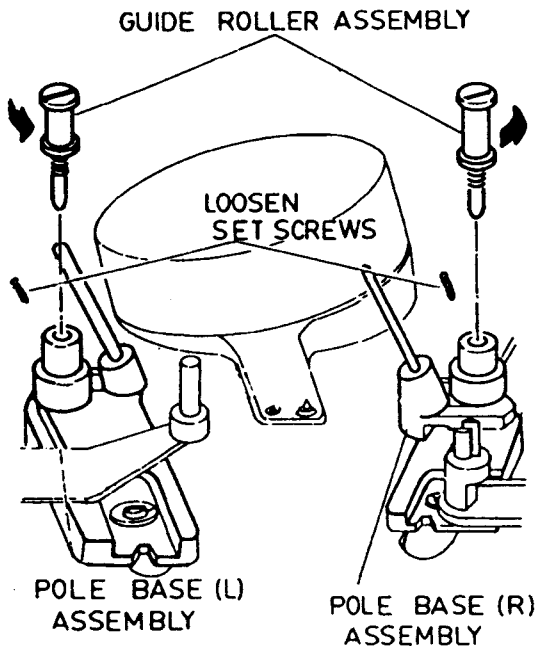

Fig.35

Note

Upon reinstallation, perform the guide roller assemblies adjustment.

2-2-16. Reel Disk (S) Assembly Removal

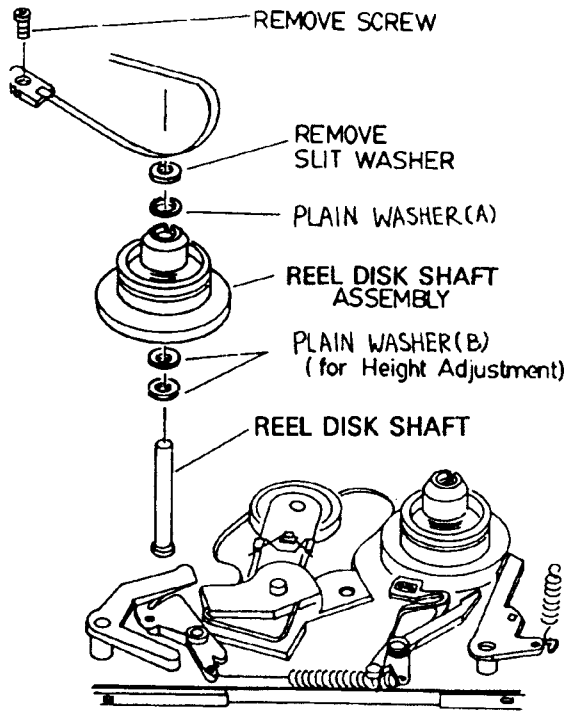

Fig.36

1. Remove the top and bottom cover. (See Figs. 1,2)
2. Remove the housing assembly. (See Fig. 12)
3. Remove the screw holding the tension band assembly.
4. Revmoe the slit washer from the reel disk shaft.
5. Remove the plain washer (A).

Note

Do not remove the plain washer (B) under the reel disk (S) assembly.

2-2-17. Reel Disk (T) Assembly Removal.

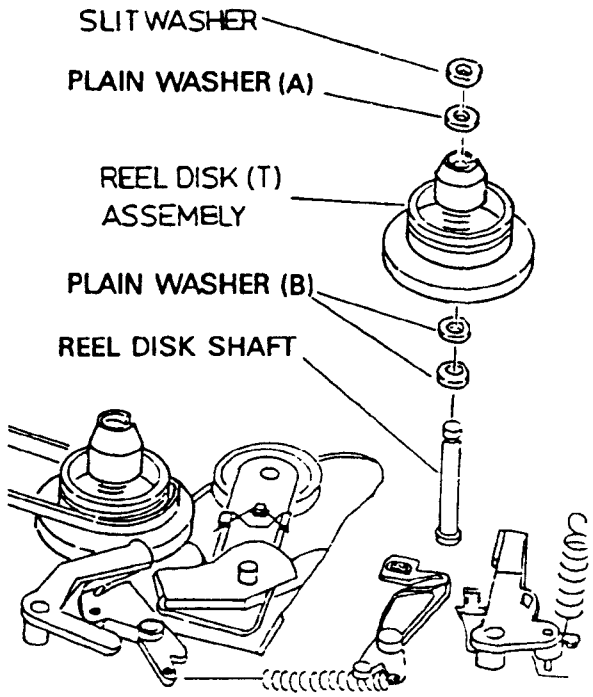

Fig.37

1. Remove the top and bottom cover. (See Figs. 1,2)
2. Remove the housing assembly. (See Fig. 12)
3. Remove the slit washer from the reel disk shaft.
4. Remove the plain washer (A) and pull the reel disk (T) assembly upward.

Note:

Do not remove the washer plain(B) under the reel disk (T) assembly.

2-2-18. Pinch Roller Assembly and Pinch Roller Arm Assembly Removal.

1. Follow the procedures for removing the panels. (See Fig. 1 to 2)
2. Remove the housing assembly. (See Fig.12)
3. Remove the screw holding the pinch roller assembly.
4. Remove the ring-E.
5. Remove the slit washer(A) and slit washer(B).
6. Release the spring (A) and the spring(B).

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7. Pull the pinch roller arm assembly upward (arrow mark direction) to remove.

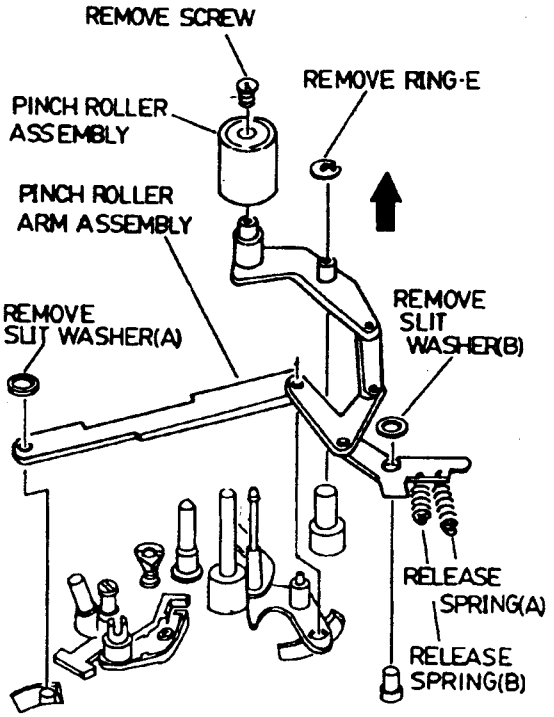

Fig.38

2-2-19.Assembly Holder LED Removal.

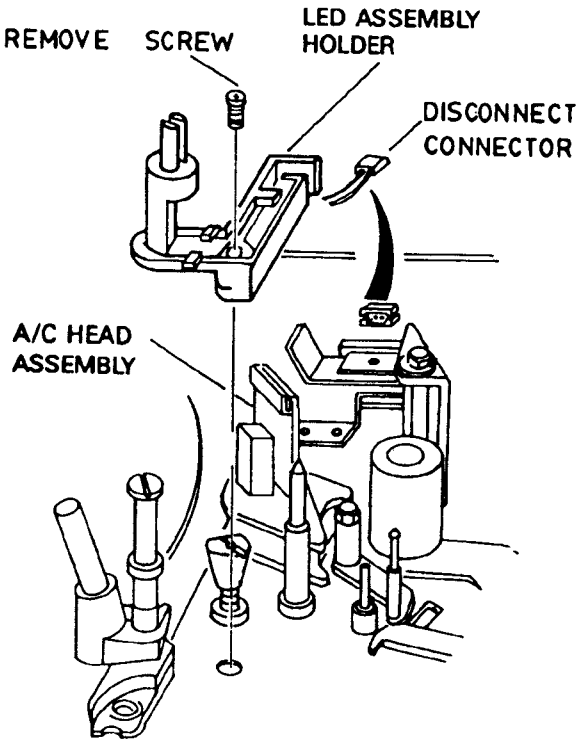

Fig.39

1. Follow the procedures for removing the panels. (See Fig.1)
2. Remove the housing assembly. (See Fig.12)
3. Disconnect the connector.
4. Remove screw and the LED assembly holder upward to remove.

2-2-20. Review Arm Assembly Removal.

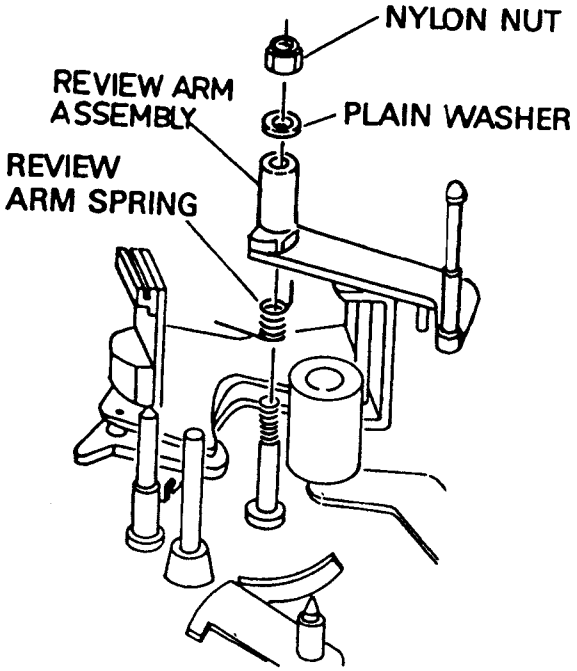

Fig.40

1. Remove the top cabinet.(See Fig. 1)
2. Remove nylon nut and plain washer.
3. Release review arm spring.
4. Pull the review arm assembly upward to remove.

Note:
After replacing or reinstalling the review arm assembly clean the tape contact surfase of the review arm assembly and perform the review arm assembly adjustment.

2-2-21. Drum assembly Removal.

1. Follow the procedures for removing the panels. (See Figs. 1 to 2)
2. Remove the video head pre Amp assembly.(Fig. 46)
3. Disconnect the two connectors(CN004, CN001).
4. Remove the three screws.

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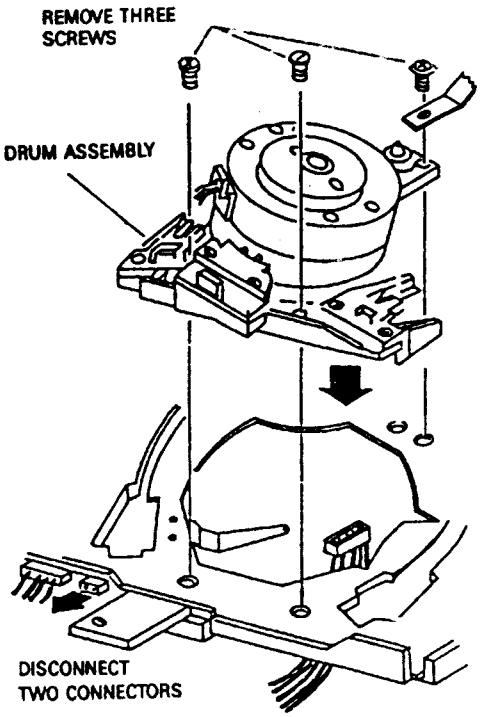

Fig.41

2-2-22. Assembly Photo Interrupter Removal.

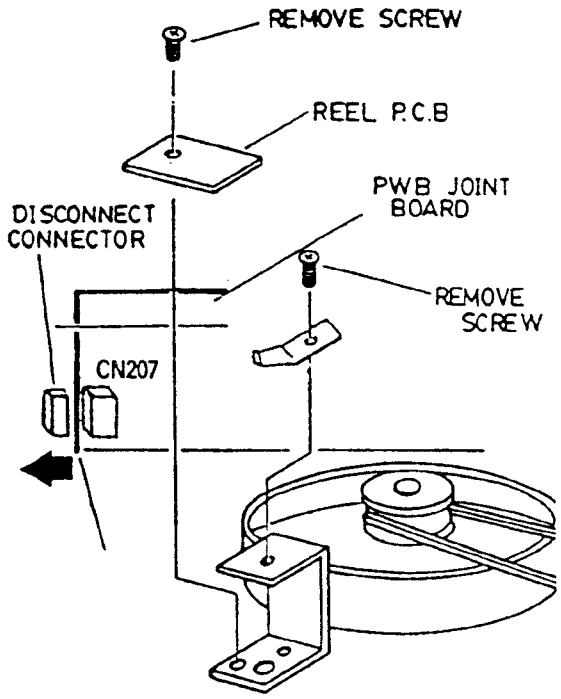

Fig.42

1. Remove the top and bottom cover. (See Figs. 1, 2)
2. Disconnect the connector (CN207).
3. Remove the screw.

2-2-23. I. B Slide Assembly and Plate Main Slide Removal.

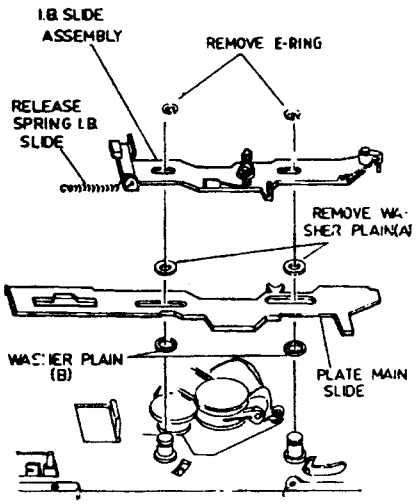

Fig.43

1. Follow the procedures for removing the panels. (See Figs. 1 to 3)
2. Remove the mechanism chassis assembly. (See Fig.25)
3. Remove the loading motor assembly. (See Fig.29)
4. Remove two ring-E washers and release spring I.B slide upward to remove.

Note:
Do not remove the plain washer (B) under the plate main slide.
* I . B :Idler Break

2-2-24. Idler Clutch Assembly Removal.

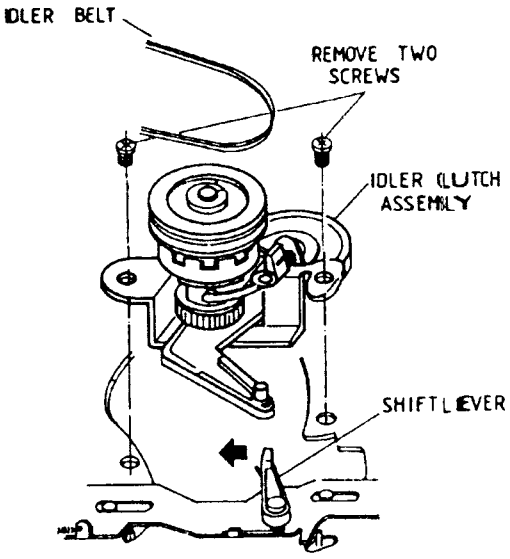

Fig.44
1. Remove the bottom cover. (See Fig.2)
2. Release the idler belt and remove the two screws.
3. Pull the idler clutch assembly upward to remove, at the same time push the shift lever about 5-10 mm.

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3.MECHANICAL ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENT TOOLS

JIG ITEM	CODE NO	SPECIFICATION	DESCRIPTION	SKETCH NO
TORQUE HEAD GAUGE	SSJ-1001B	LONG	This gauge is used to check and adjust the torque of Take up/Supply Reel.	*A*
MASTER PLANE & REEL DISK HEIGHT JIG	SSJ-1002A	G-5/6 CHASSIS	This jig is used to check the height difference between Reel Disk and Deck Plate.	*B*
	SSJ-1002B	G-7/8 CHASSIS		*C*
ADJUSTING DRIVER A	SSJ-1003A	COMMON	This jig is used when replacing the Cam adjust and Guide Roller.	*D*
B	SSJ-1003B	COMMON	This jig is used when replacing the A/C Head, Supply Roller, Tape Guide and Arm Tension.	*E*
BACK TENSION CASSETTE GAUGE	SS-1004	COMMON	This gauge is used for Supply Reel torque alignment.	*F* (*)
GUIDE POLE HEIGHT ADJUSTING JIG	SSJ-1005A	G-5/6 CHASSIS	Used to adjust tape height to the Video Head.	*G*
	SSJ-1005B	G-7/8 CHASSIS		
DRUM REPLACEMENT JIG	SSJ-1007	COMMON	This jig is used when replacing the VCR's Upper Drum.	*H*
ALIGNMENT TAPE SR1-2 SR2-2 SVJ-2	 SSJ-1014C SSJ-1014D SSJ-1014F	 PAL(LION.6K) PAL(COLOR.1K) PAL(TESTING)	These tapes are used for fine electrical adjustment and tape runing system (Mecha) alignment.	*I*
TENSION GAUGE	SSJ-1008	300 g	This gause is used for tension measurements.	*J* (*)
TORQUE GAUGE	SSJ-1009	600 g	This jig is used to check and adjust the torque of Take up/Supply Reel.	*K* (*)

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JIG ITEM	CODE NO	SPECIFICATION	DESCRIPTION	SKETCH NO
HEX WRENCH	SSJ-1010A SSJ-1010B SSJ-1010C	0.7 mm 1.2 mm 1.5 mm	These wrenches are used for locking or tightening special Hexagon type screws.	*L* (*)
TAPE TENSION GAUGE (TENTELO METER)	SSJ-1011	COMMON	This tape tension gauge is used for measuring the back tension of the runing tape.	*M* (*)
CASSETTE HOUSING ASSEMBLE JIG	SSJ-1012	COMMON	This jig used for cassette housing assembly.	*N*
BOXER DRIVER	SSJ-1015	COMMON	This tool is used for replacing the A/C Head.	*O* (*)
DENTAL MIRROR	SSJ-1016	COMMON	This tool is used for tape transport system check.	*P* (*)
ADJUSTING DRIVER	SSJ-1017	COMMON	This tool is used for electrical adjustment.	*Q* (*)

(*) : *These Jigs are not supplied from SAMSUNG.*

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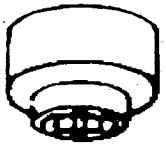
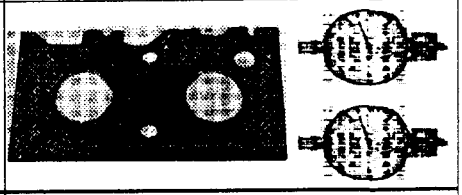
A	B	C
		
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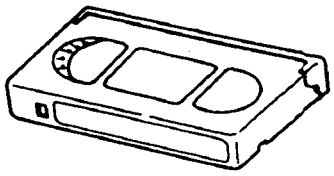
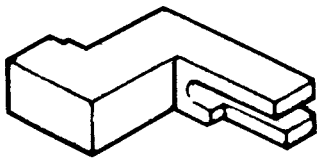
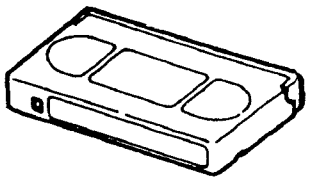
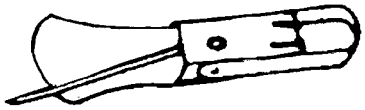
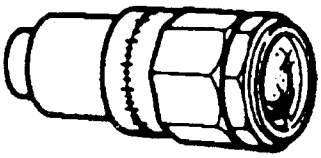
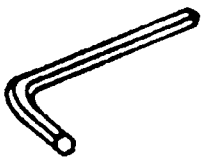
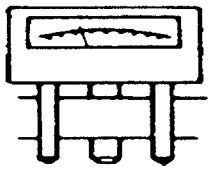
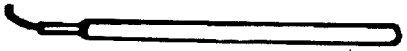
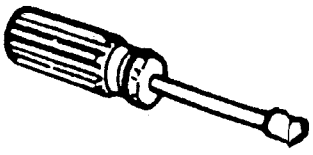
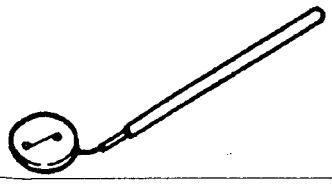
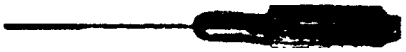
		
G	H	I
		
J	K	L
		
M	N	O
		
P	Q	
		

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3-2. Reel Disk Heights

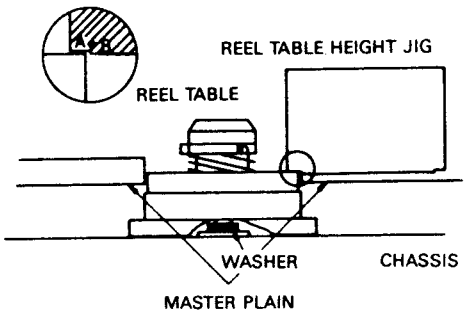

Fig.1

The height of the supply and take-up turntables should be the same, +0.2/-0.2mm. Turntable heights are adjusted by changing plain washer stack under each turntable. Check turntable heights by installing the Master Plain. Set the reel disk height jig in place and check the height of the supply and take up turntables. (See Fig. 1)
The size of washer is 0.5mm (3.2 mm ID). This washer should be used to achieve equal reference heights for both truntables.

Note:
For proper height point "A" should slide over the reel disk and point "B" should not.(Fig. 1)

3-3. Back Tension Adjustment (Fig. 2)

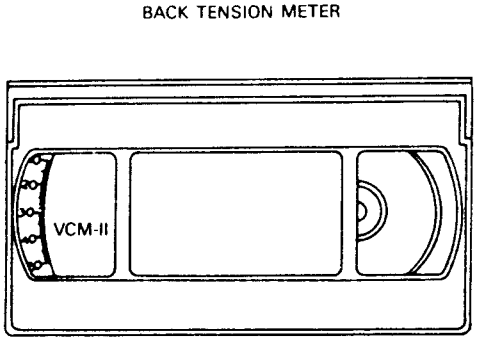

Fig.2

When the back tension is properly adjusted, the service test tape recorded will play back with minimum skew error-picture displacement in line following head switching. The tension is set as follows

1.Load the VCR with the back tension adjustment tape.
2.Place the VCR in the "play" mode.
3.Read the scale on the reel disk(S).
4.This reading should be between 39.5 and 44.5
5.After loosening the screw, move the Fig 3 tension spring in direction "B", If the tension adjustment tape reads 45 or higher, in direction "A" when it is 39 or lower, and adjust the back tension for a nominal reading of 42 on the scale.
6. Recheck the arm tension position when the back tension is changed (6 or more).

Note:
The VCR must be in a horizontal position for this adjustment.

3-4. Arm Tension Position Adjustment (Fig. 3)

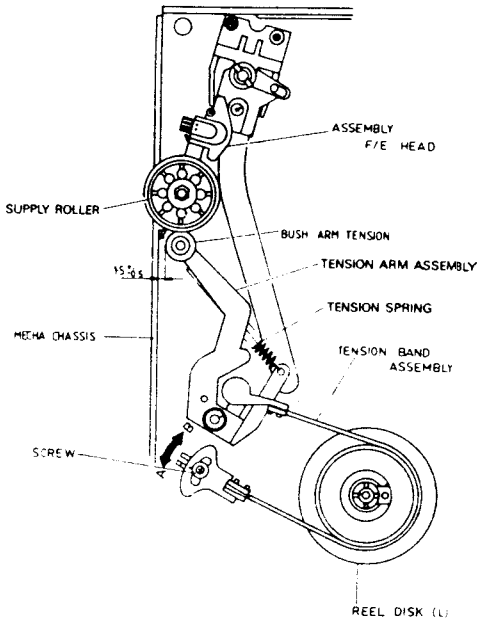

Fig.3

1.After removing the housing assembly, momnentarily short the tenth pin of the deck joint. P.C.Board's connector CN 205 to ground.
2.Place the instrument in the "play" mode.
3.After loading is complete, loosen the screw holding the tension holder. A and adjust so that the clearance between lower edge of tension pole ass'y and chassis is 1.5mm ±0.5mm.
4. Tighten screw to secure adjustment.

3-5. Brake Torque Confirmation

1. Remove top cover and place VCR in the "stop" mode.
2.Clean the brake surfaces on turntables using "cloth" and solvent, before measuring torque.
3. Attach the torque gauge head to the torque gauge.
4. Place torque gauge on the reel disk (S) turntable.
5. Turn torque gauge in a clockwise direction until the brake begins slipping. Maintain "slipping" rotation and read torque.(torque reading should be more than 200 grams/cm)
6.Repeat for the take up side turning the torque gauge counterclockwire.
(reading should be more than 200 grans/cm)

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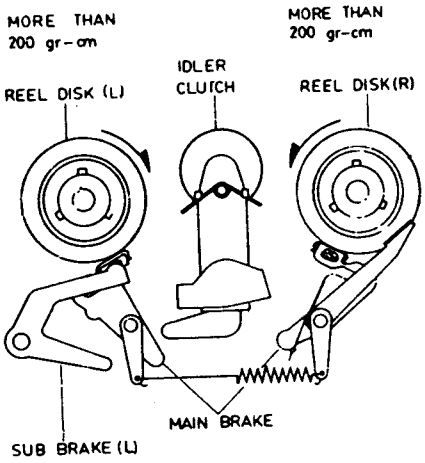

Fig.4

Note:
Brake torque problems can cause tape stretch, broken tape or loose tape in cassette.
These symptoms can usually be corrected by properly cleaning. If not replace brakes.

3-6. Play, Fast Forward, Rewind Torque Confirmation

1.Place the cassette holder in the loading state without inserting a cassette tape.
2.Attach the torque gauge head to the torque gauge.
3.Place torque gauge on the reel disk (T), operate VCR in the "SP record" mode.
(Torque should measure 150 + 30 grams/cm)
4.Press Fast Forward button.
(Torque reading should be 600 grams/cm minimum)
5.Place torque gauge on the reel disk(S) and operate instrument in the "rewind" mode.
(Torque reading should 600 grams/cm minimum)

3-7. Rough Tape Travel Check

Using a blank tape, place the VCR in "play" mode and note the following.

1.The tape should be in full contact with all tape guide posts.
2.The tape should be crease-free with no slack.
3.The supply roller should be moving freely.
4.The tape should be perpendicular to the longitudinal axis of the heads when crossing the erase head and the A/C head.
5. The tape should be centered top to bottom on the head when crossing the full erase head.
6.The tape should follow the lower-edge guide surface on the lower drum.

3-8. Creasing or Slack Tape.

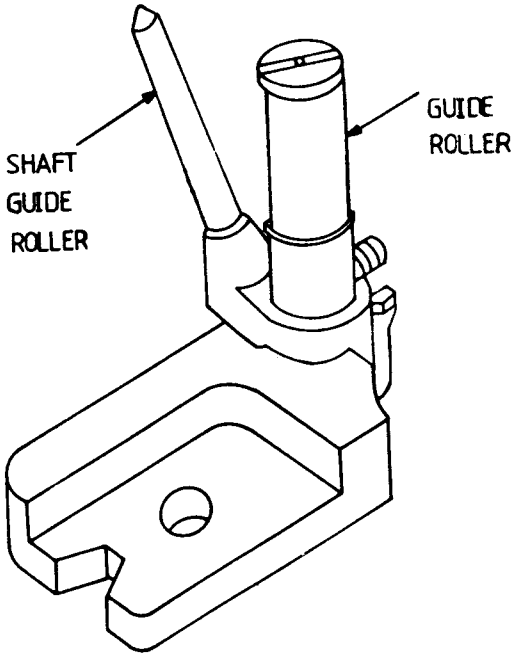

Fig.5

Load the VCR with a blank tape and place in 'play" mode.
With the tape running, inspect the tape path for creasing or frilling along top or bottom edges of tape. If the tape is creasing or frilling, check the tape as it goes"on" and comes "off" the lower drum.
The tape should follow the lower edge guide surface on the drum. If the tape is high on the guide surface, rough adjust guide rollers to correct this condition. (use guide roller adjusting driver)
It will now be necessary to perform guide rollers adjustments and confirm interchangeability.

3-9. Mechanical Interchangeability Consideration

The tape-guide adjustments position the tape so that the prerecorded tracks on the test tape ailgn perfectly with the scan of the video head assembly. The mechanical interchangeability adjustment procedures willinsure that a tape recorded on the VHS recorder willplayback properly on another machine.

Usually little or no mechanical adjustment is required after routine (head replacement) servicing. Before making any adjustments, perform the following interchangeability confirmation procedure to determin if adjustment is required. IF the video heads are replaced, it will also be necessary to confirm the PG shifter adjustment.

If major mechanical servicing was perfomed (tape guide replacement, etc.) perform "Rouge Tape Travel Adjustment" befor using test tape.

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3-10. Interchangeability Confirmation

This confirmation check should be performed after any servicing operation that could adversely affect the tape path; i.e.Lower drum motor replacement, tape guide replacement, audio/control head replacement, etc.

If unit passes this confirmation check, no tape guide adjustment is required.

Preliminary:

The adjustment should be preformed after the Tracking Preset adjustment is completed.

1.Connect a channel-1 scope probe (2V/div.;5ms/div.) to W17 (Main-B PCB; SW 25HZ).
2.Connect the channel-2 scope probe (10mV/div.) to TP0301 (Main-B PCB; PB FM Level).
3.Play monoscope signal on test tape (Alignment Tape SR1-2. See Jig List).
4.Adjust tracking control (VR702) for maximum FM envelope amplitude (TP0301 signal) at center of envelope.
5.Adjust scope vertical gain control so that maximum envelope amplitude is 1.8 - 2.4 graticule divisions.
6.Turn tracking contorl (VR702) to the left so that maximum envelope amplitude can be graticule divisions.
7.Confirm that the minimum envelope amplitude is 0.6 graticule divisions or more Fig. 6.
8.Turn tracking control (VR702) to the right so that maximum envelope amplitude is 1 graticule division.
9.Confirm that the minimum envelope amplitude is 0.6 graticule division or more Fig 6.
10.If roadings are correction, No guide roller adjustments, are necessary.
11. Set tracking control to detent (fixed) position. Adjust Control Track/Audio Head assembly position (X-value) to obtain maximum FM envelope (TP0301 signal) at the detent position.

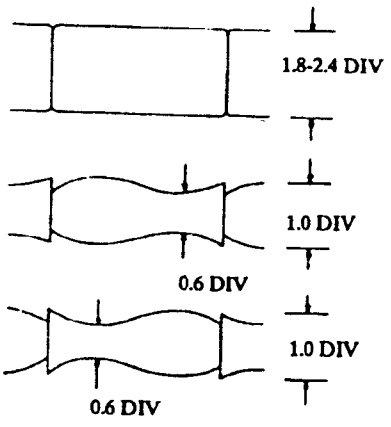

Fig.6

Note:
If the lower drum motor assembly has been replaced, perform the following electrical adjustments.
. PG Shifter adjustment.
. Record Chroma and Luminance Level adjustment.

3-11. Audio/Control Head (Height/Tilt/Azmuth)

1.Connect a scope probe (0.5V/div.; 1ms/div.) to TPW4 (Use audio out jack) located on the main circuit board.
2.Play back a 1-KHz (color bars) audio signal on test tape SR2-2.
3.Alternately adjust height screw (A) and tilt adjust screw (C) for maximum output.
4.Play back a 6-KHz audio aignal on test tape SR1-2.
5.Adjust azimuth screw (B) for maximum output.
6.Repeat steps 3 and 5 for maximum 6-KHz and 1-KHz output.
7.Lock the HEX NUT (A) with paint.

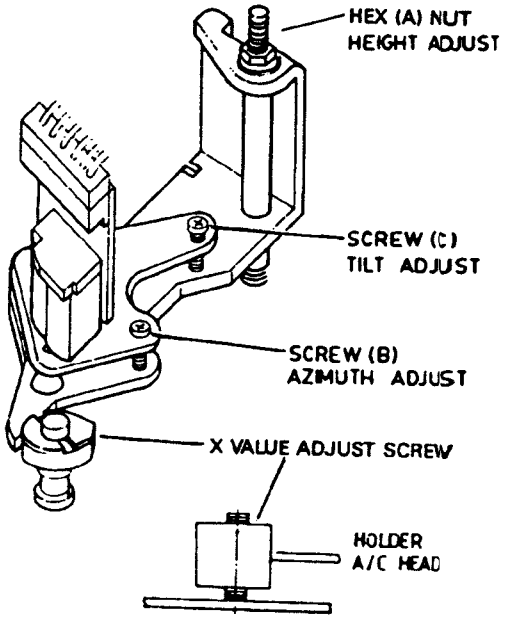

Fig.7

3-12. Guide Rollers Adjustment

1.Connect a channel-1 scope probe (2V/div.;5ms/div.) to W17. Trigger the scope on channel-1.
2.Comnect channel-2. scope probe (10mV/div.) to TP0301 (Main PCB; PB FM Level).
3.Set tracking control to detent (fixed) position and play back test tape monoscope signal. (Alignment tape SR1-2. Ref. Jig List). Slightlyloosen set screw on pole base guide rollers.
4.Adjust guide roller down using guide roller adjusting driver (CW) untill bottom edge of tape slightly bows at the bottom of tape guide.
5.Monitor the head FM envelope at TP0301.
6.Turn (CCW) guide roller (right guide) to obtain maximum amplitude at right side of head envelope.
7.Turn (CCW) guide roller (lift guide) to obtain maximum amplitude at right side of head envelope.
8.Adjust tracking control (VR702) for best envelope.
9.Touch up guide rollers for maximum amplitude flat envelope. Tighten set screw at pole base of guide rollers.
10.Adjust control head position (if necessary)to move the best envelope condition to the tracking control detent positon.

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Note:
In the event correct head envelope is not obtainable, check Audio/Control (A/C) head adjustment.

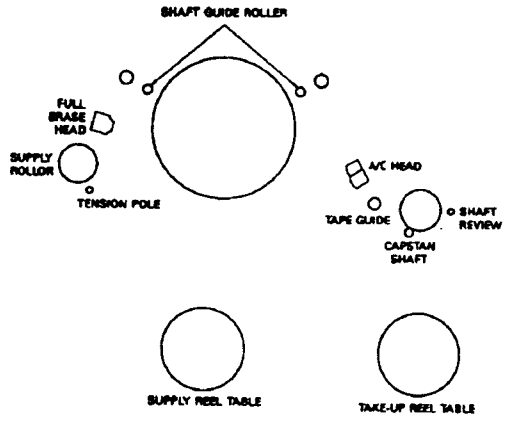

Fig.8

3-13. Audio/Control (A/C) Head Horizontal Position

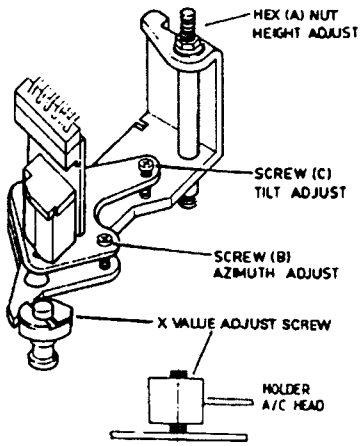

Fig.9

This adjustment establishes proper tape tracking when the tracking control (VR702) is in its detent position.

Note:
This adjustments should only be made after the tracking preset adjustment is completed. (See Electrical Adjustments.)

1.Connect a scope probe(10V/div.;5ms/div.) to TP0301 (Main P.C.B;PB FM Level) Trigger using W17.
2.Set tracking control(VR702) to the detent(fixed) position.
3.Playback monoscope signal on test tape. (Alignment tape SR1-2.See Jig List)
4.Carefully move the A/C head base plate in either direction for maximum head envelope output by adjusting the X-value screws(See Fig.7)

3-14. Operating The VCR without Inserting a Cassette Tape

1.Remove the top cover.
2.Remove the housing assembly (Fig. 12)
3.Plug the power cord of the VCR into the AC outlet.
4.Turn "on" the power switch of the VCR.
5.Connect a jumper to short circuit shortly between ground and the pin 10 of connector.
6. The above procedure enables the VCR to be operated without loading a cassette tape.

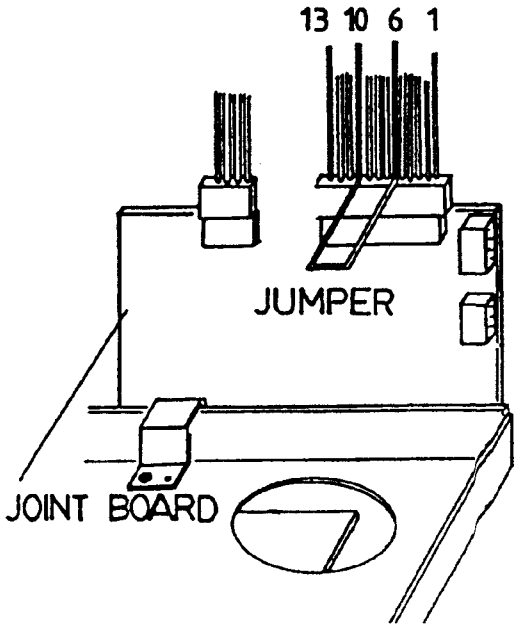

Fig.10

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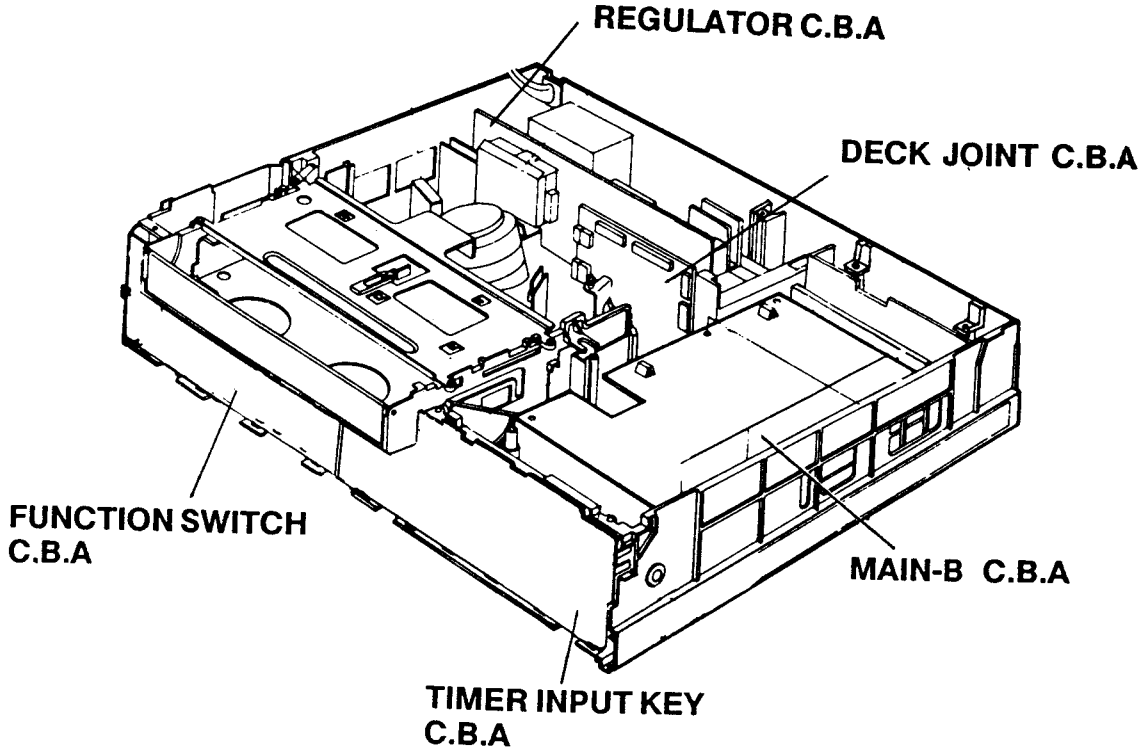
4. ELECTRICAL ADJSTMENTS

4-1. Circuit Board Location and Identification



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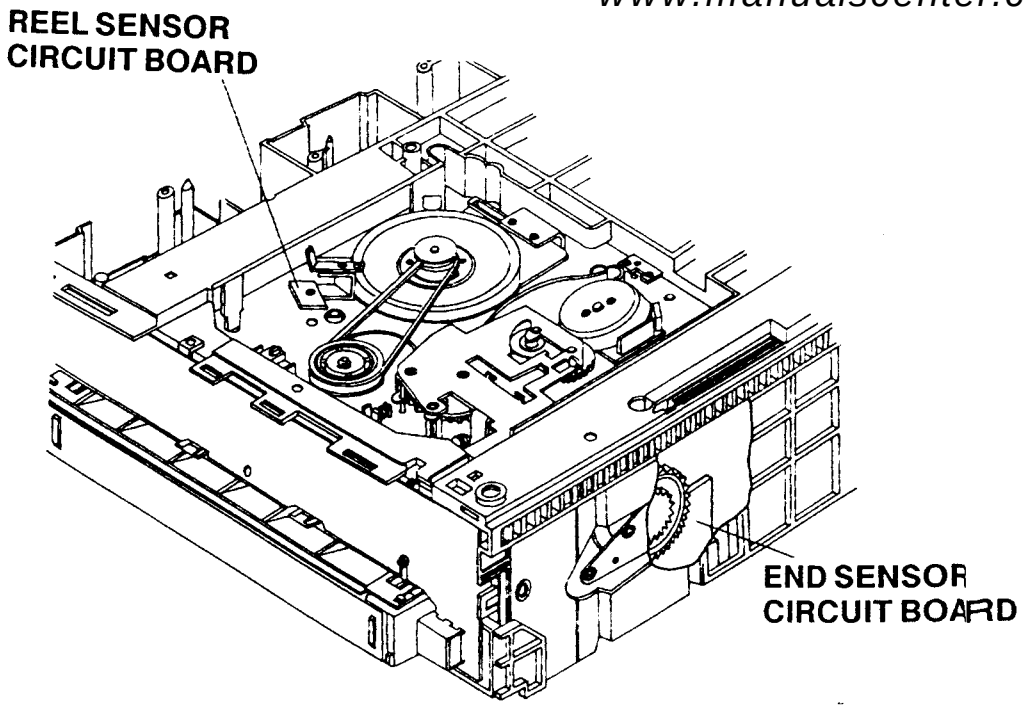

4-2. SERVO SECTION in MAIN B. PCB

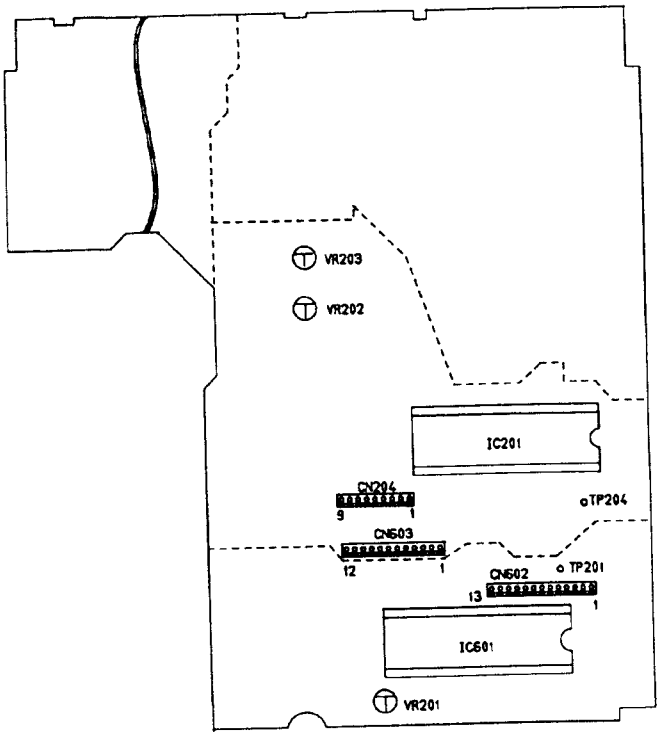

Fig.2 SERVO SECTION in Main-A Component Side

4-2-1. Tracking Preset Adjustment

Equipment :	Oscilloscope	
Test Point :	TP 201 (H'd SW 25Hz)	Main. A
	TP 204 (CTL Pulse)	Main. A
Adjust :	VR201 (Tracking Preset)	Main. A

This adjustment sets the optimum tracking during playback of a tape recorded on this instrument so that it occurs at the detended position of the tracking contorl (VR702).

1.Load the instrument with an alignment tape and playback the color bar signal. (Alignment Tape SR 1-2)
2.Connect a channel - 1 scope probe (2V/div. 5ms/div.) to TP201. Trigger the scope on channel -1 .
3.Connect the channel -2 scope probe (2V/div.) to TP204.
4.Set the Tracking control (VR702) on the front panel to the detented position and adjust the Tracking Presest Control (VR201) to align the pulse width T = 5.0 + /-0.5ms. (Fig. 3)

Note :Make sure that T1 > T2. If not, change the order of the CTL head wire for the correct SERVO adjustment.

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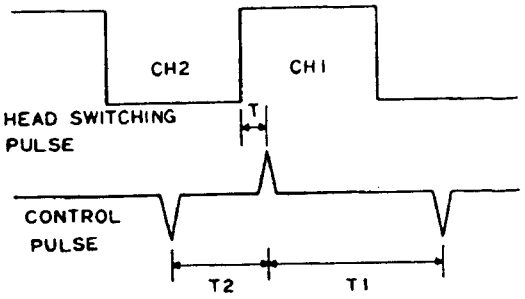

Fig 3. Tracking Preset

4-2-1. D.PG (Pulse Generator) Shifter Adjustment.

Equipment :	Oscilloscope	
Test Points :	TP-W6 (Video Output Signal)	Main. B
	TP 201 (H'd SW 25Hz)	Main. A
Adjust :	VR202(PG-2 Shifter)	Main. A
	VR203(PG-1 Shifter)	Main. A

The Pulse Generator (PG) shifter determines the video head switching point during playback. Misadjustment of the PG Shifter may cause head switching noise in the picture and/or vertical jitter.

1.Load the instrument with an alignment tape and playback the color bar signal or monoscope signal. (Alignment tape SR2-2)
2.Connect a channel-1 scope probe (1V/div. 50us/div.) to TP201. Trigger the scope on channel-1.
3.Connect the channel-2 scope probe (1V/div.) to TP-W6.
4.Set the scope to (+) slope and adjust the PG-1shifter control (VR203) so that the trailing edge of the SW 25Hz pulse is placed 6.5H +/- 0.5H (horizontal) lines before the start of vertical sync pulse in Fig 4(a)
5. And then, set the scope to (-) slope and adjust the PG 2 shifter control(VR202) as in the PG-1 in Fig 4 (b).

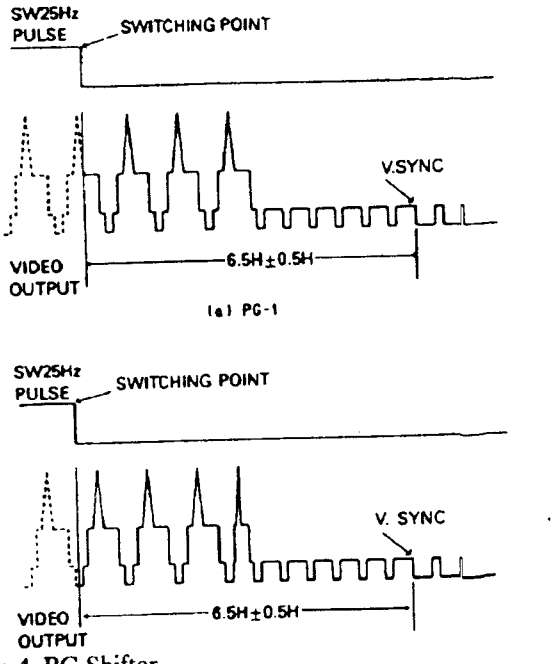

Fig.4 PG Shifter

4-2-3. Vertical Lock Pulse Adjustment

Equipment : TV monitor
Adjust : VR 703 Timer

This adjustment is to prevent vertically unstable picture in still mode.

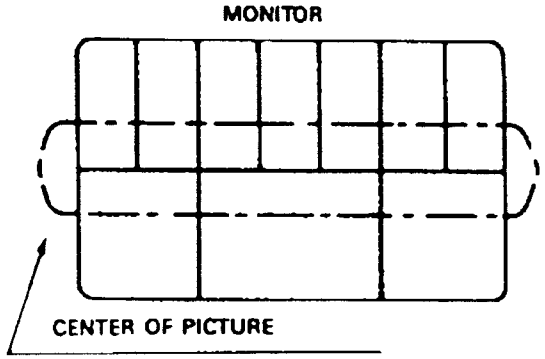

Fig.5

1.Apply a PAL color bar signal to the video input jack (BNC) on the rear panel .
2.Rocate the input selected S/W to AUX.
3.Insert a blank tape and amke a recording for a few minutes.
4.Playback in STILL mode.
5.Adjust the V-Lock Control VR703 so that the center of picture is most stable. (Fig. 5)

4-3. AUDIO SECTION IN MAIN-B P.C.B

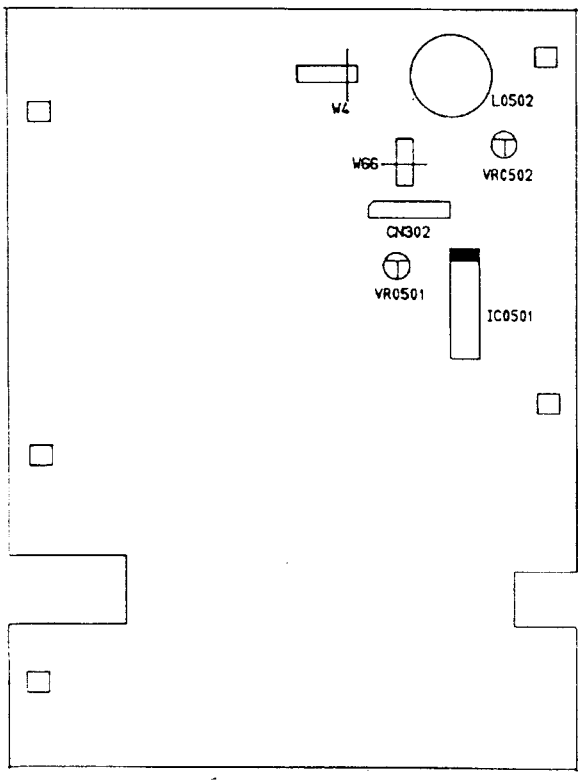

Fig.6

4-3-1. Audio PB Level Adjustment

Equipment : AC Voltmeter
Test Point : TP-W4 (Audio Output) Main. B
Adjust:: VR0501 (Audio PB Level ADJ) Main. B

This adjustment sets the output level of the audio signal to the sepecified level.

1.Connect a AC Voltmeter (OdB = 1Vrms) to TP-W4.
2.Load the instrument with an alignment tape and playback the 1KHz audio signal . (Alignment Tape SR 2-2).
3. Adjust the Audio Playback Level Control (VR0501) for 500mVrms.

4-3-2. Audio Bias Level Adjustment.

Equipment : Oscilloscope
Test Point : TP-W66(REC Bias Level) Main. B
Adjust : VR0502(REC Bias Level ADJ) Main. B

This adjustment optimizes the audio record bias. When the audio record bias is too low, high frequencies are increased resulting in distortion, When the level is too high, high frequencies are attenuated.

1. Connect a channel-1 scope probe(10v/div.; 10us/div.) to TP-W66.
2. Load the instrument with a blank tape and place in the SP record mode with no signal.
3. Adjust the Audio Bias Level Control (VR0502) for 40Vp-p +/- 1Vp-p.

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4-4. LUMA/CHROMA SECTION IN Main.B

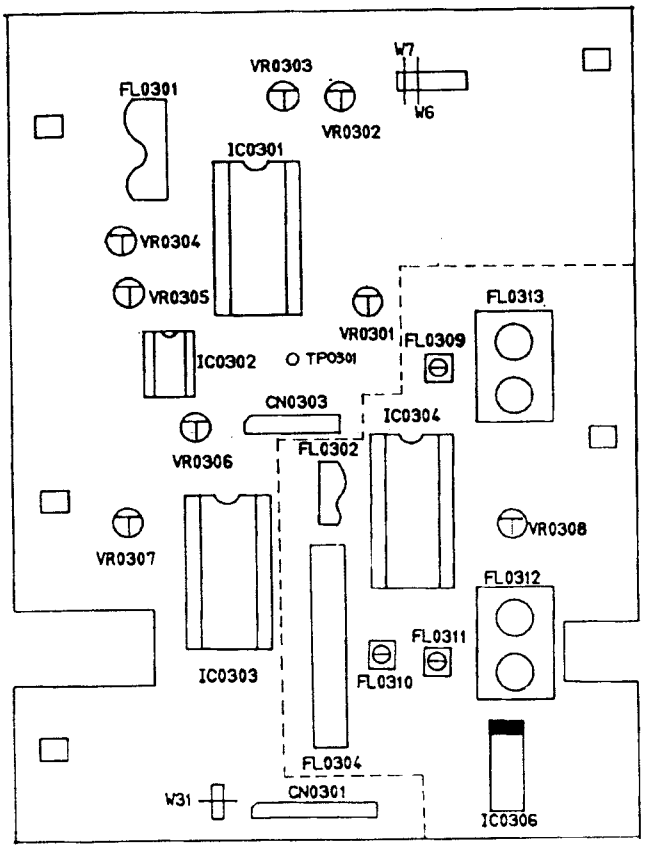

Fig7 (: Secam Part)

4-4-1. PB Luminance(Y) Level Adjustment.

Equipment : Oscilloscope
Test Point : TP-W6 (Video Output Level) Main. B
Adjust : VR 0304 (PB Y Level Control) Main. B

This adjustment sets the output level of the video signal to the specified level.

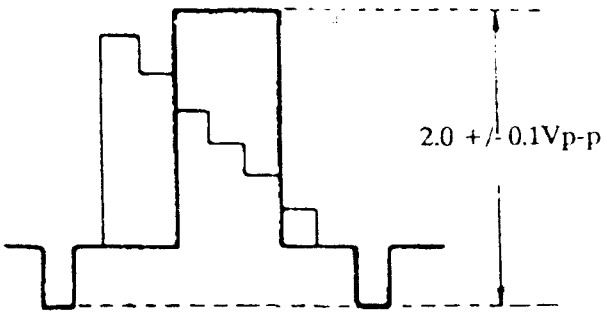

Fig.8

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1.Connect a channel-1 scope probe (0.5V/div.; 10us/div.) to TP-W6.
2.Load the instrument with an alignment tape and playback the color bar signal. (Alignment Tape SR2-2)
3.Adjust the PB Luminance Level Control (VR0304) for 2.0 +/-0.1Vp-p.(Fig.8)

4-4-2. CCD IN (CLAMP) Level Adjustment

Equipment : Oscilloscope
Test Point : TP0302 (CCD Video Level) Main. B
Adjust : VR0305 (CCD Level Control) Main. B

This adjustment is for the compensation of the Drop out. When there is the Drop out, if the CCD output level is very low, the black trigger occurs.
If the level is very high, the white trigger occurs.

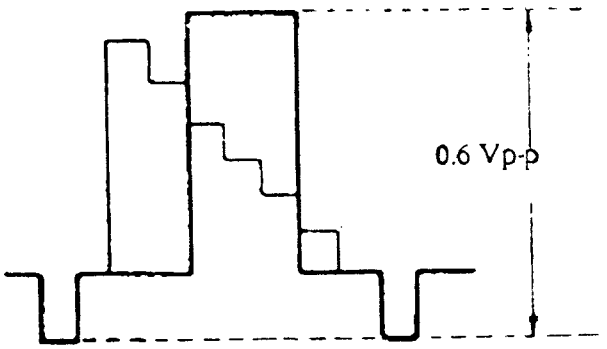

Fig.9

1.Connect a channel-1 scope probe(0.1V/div.) to TP0302.
2.Load the instrument with an alignment tape the playback the color bar signal. (Alignment Tape SR 2-2)
3.Adjust the CCD Level Control (VR0305) for 0.6Vp-p. (Fig.9)

4-4-3. Sub Carrier Freguency (4.43 MHz) Adjustment.

Equipment : Freguency Counter
Test Point : TP-W31 (VXO OUT) Main. B
Adjust : VR0307 (Sub Carrier Frequency) Main. B

This adjustment sets the 4.43MHz VXO oscillation frequency accurately.
When this adjustment is incomplete, 1H delay of the video signal is disabled and the S/N deteriorates.

1.Connect a frequency counter to TP-W31.
2.Load the instrument with an alignment tape (Alignment Tape SR2-2) and palyback.
3.Adjust the sub carrier frequency control (VR0307) so that the frequency reads 4.433619MHz -/- 10Hz.

4-4-4. FM Carrier & Deviation Adjustment

Equipment : Tracking Scope
Test Point : TP3201 (FM Output) Pre Amp
Adjust : VR0302 (FM Carrier) Main. A
VR0303(Deviation) Main. A

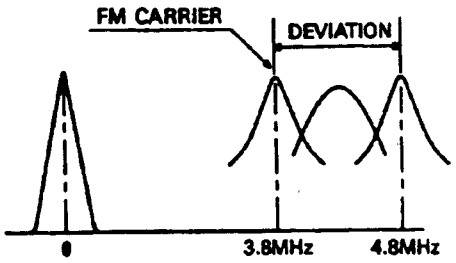

Fig.10

This adjustment sets the frequencies of the FM Carrier and deviation.If the deviation is less than 1MHz, the video output level is low. When the deviation is more than 1MHz, the output level is high and there is the overmodulation.So the screen has the white/dark trigger and the S/N ratio is not good.

1.Apply a 100% white signal to the video input jack on the rear panel.
2.Rocate the input selected S/W to AUX.
3.Connect a tracking scope to TP3201
4.Insert a blank tape and make a recording.
5.Adjust the FM Carrier Control (VR0302) so that the frequenscy is 3.8MHz +/- 0.1 MHz
6.And then adjust the deviation control (VR0303) so that the frequency is 4.8 MHz +/- 0.1 MHz for the 1MHz deviation (See Fig.10)

4-4-5. REC FM Current Level Adjustment

Equipment : Oscilloscope
Test Point : TP3201(FM output) Pre-Amp
Adjust : VR0306(REC FM Current ADJ) Main. A

1.Apply a PAL color bar signal to the video input jack on the rear panel.
2.Rocate the input selected S/W to AUX.
3.Connect a channel-1 scope probe(50mV/div.;5ms/div) to TP3201.
4.Insert a blank tape and make a recording.
5.Adjust the FM current control VR0306 so that the current is 150mVp-p.

4-4-6. PB ANTI BELL Adjustment (OPTION)

Equipment : Oscilloscope
Test Point : TP-W6 Main. B
Adjust : FL0311 Main. A

1.Load the instrument with an alignment tape and playback the color bar signal (Alignment tape SR2-3)
2.Connect a channel-1 scope probe to TP-W6 (0.5V/div,10used/div)
3.Adjust FL0311 so that magenta color level of color bar signal do not make a "Doubling Picture."

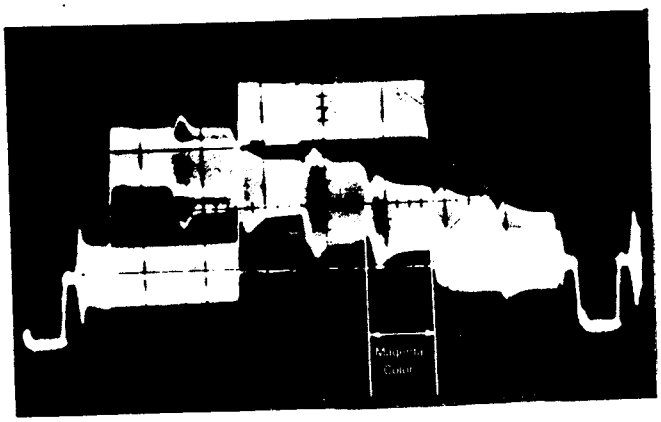

Fig.11 PB ANTI BELL Adjustment

4-4-7. PB BELL Adjustment (OPTION)

Equipment : Oscilloscope
Test Point : TP0303 Main. B
Adjust : FL0310 Main. B

1.Load the instrument with an alignment tape and playback the color bar signal (Alignment tape SR2-3)
2.Connect a channel-1 scope probe to TP0303 (0.5V/div,10usec/div)
3.Adjust the FL0310 so that the noise level of waveform is minimum see below figure.

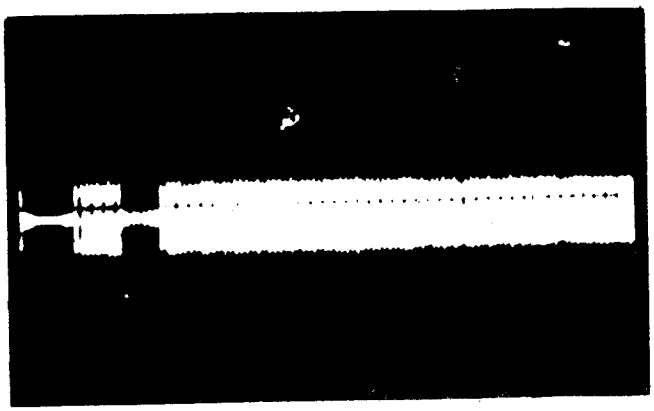

Fig .12 PB BELL Adjustment

4-4-8. REC BELL Adjustment (OPTION)

Equipment : Oscilloscope
Test Point : TP0303 Main. B
Adjustment : FL0309 Main. B

1.Apply a SECAM color bar signal to the video input jack on the rear panel.
2.Connect a channel-1 scope probe to TP0303 (0.5V/div.10usec/div).
3. Insert a blank tape and make a recording.
4. Adjust FL0309 so that CH-1and CH-2 of the magenta color level of fifth is same (Not doubling picture)

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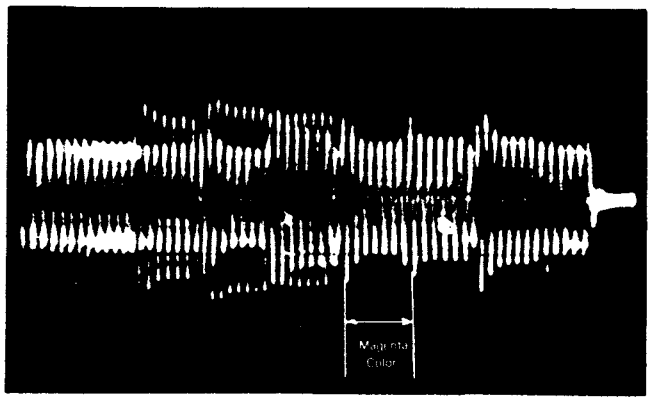

Fig. 13 REC BELL Adjustment

4-4-9. VIDEO SYNC Timing Adjustment

Equipment : Oscilloscope
Test Point : TP-W6 (VIDEO OUTPUT) Main.B
Adjustment : VR0308 Main B

1.Load the instrument wiht an alignment tape and playback the color bar signal (Alignment tape SR2-3)
2.Connect a channel-1 scope porbe to TP-W6 (0.5V/div,10usec/div)
3.Adjust the VR0308 so that the noise gate pulse position is 1.2 + 0.2 usec from the H-SYNC signal.

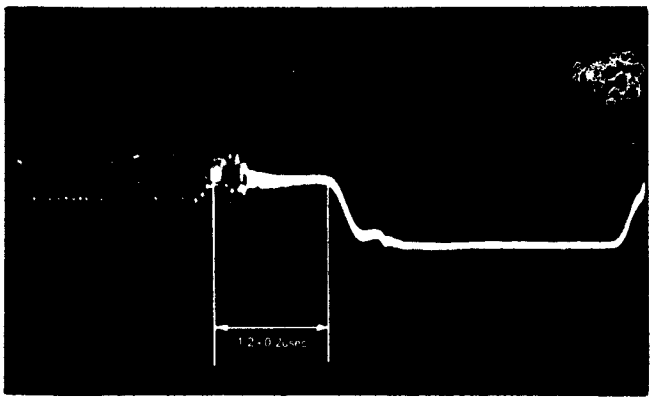

Fig. 14 Video SYNC Timing Adjustment

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4-5. TUNER/DEMODULATOR SECTION IN MAIN A PCB.

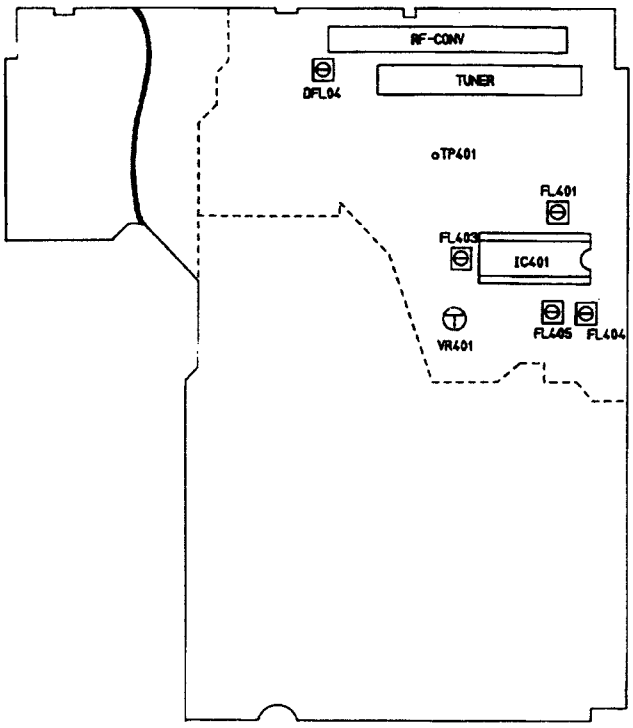

Fig. 15 TUNER DEMODULATOR SECTION in Main-A P.C.B. Component Side

4-5-1. TRAP Adjustment

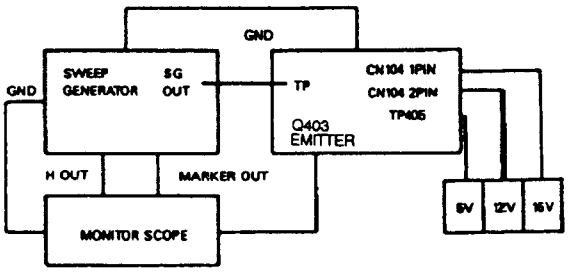

Fig. 16 Composition for TRAP Adjustment

Equipment : Sweep Generator
Test Point : Q403 emitter Main.A
Adjustment : FL407,FL408 Main.A

1Place the instrument in the E-E mode.
2.Remove a connector CN101 and connect a DC bias supply of 15V to the pin1 of a connector CN104 on the Main-A PCB.
3.Connect the Sweep Generator output to tuner TP within the tuner unit.(Fig16)
4.Connec a jig input to the emitter of Q403.
5.Adjust the trap (FL407,408) in the Tuner unit shown in Fig17.

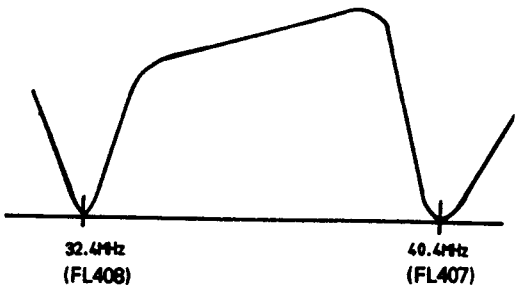

Fig. 17 Trap Adjustment.

4-5-2. VIF Adjustment

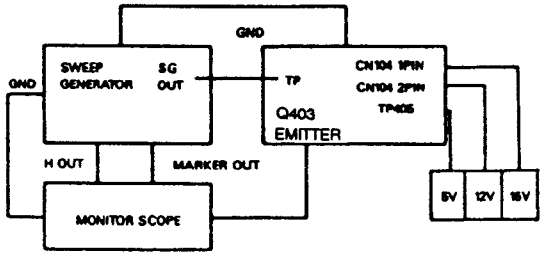

Fig.18 Composition for VIF Adjustment

Equipment Sweep Generator, Monitorscope
Test Point : Q403 Emitter(Video output) Main.A
Adjust : FL405(VIF-DET TANK) Main.A

This adjustment makes the sync detecting reference signal tuning circuit of the picture-IF circuit resonate with 38.9MHz and suppresses mixture of the sound-IF signal.

1.Place the instrument in the E-E mode.
2.Remove a connector CN101 and connect a DC bias supply of 15V,12V to the pin 1,2 of a connector CN104 on the Main. A PCB.
3.Connect a DC bias supply of 5V to TP405.
4.Connect the Sweep Generator Output to tuner TP within the Tuner unit. (FIG.18)
5.Connect a Monitor Scope input to Q403 emitter.
6.Connect a 100 damping resistor between the pin 16 of IC401and pin17.
7.Adjust the Core (FL410) in the Tuner section shown in Fig.19
8.Remove a 100 damping resistor.
9.Adjust the VIF Control (FL405) for maximum detec tion of C (table 1) maker. (FIG.20)

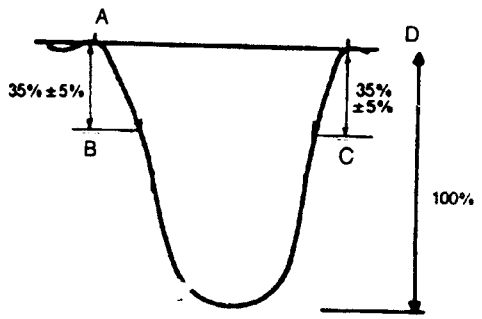

Fig.19 (Refer to table 1)

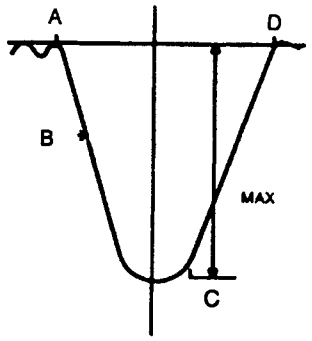

Fig. 20 VIF Maximum Detection(Refer to table 1)

4-5-3. AFT Adjustment

Equipment : Sweep generator, Monitorscope
Test point : TP402 (AFT Output) Main. A
Adjustment : FL404 Main. A

1. After adjustment of VIF, connect the monitorscope input to TP402.
2. Adjust the AFT(FL404) in the Tuner unit shown in Fig21.

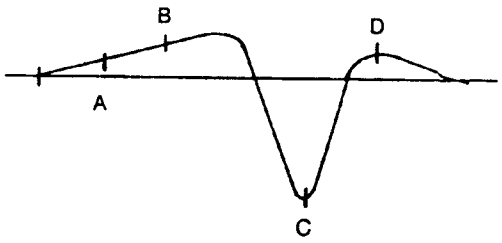

Fig. 21 AFT Adjustment(Refer to table 1)

(MHz)

Country or TV Broadcasting System	A	B	C	D
Continental Europe and East/Middle Asia	33.4	34.47	38.9	40.4
PAL-I	33.5	35.05	39.5	41.5
Australia	31.3	32.44	36.8	38.3
Newzealand	32.4	34.47	38.9	40.4
China	31.5	33.57	38.0	39.5
OIRT	32.4	34.47	38.9	40.4

* Table 1 : Adjusting Frequency

4-5-4. SIF Adjustment

Equipment : Oscilloscope
Test Point : TP-W4 (Audio Output) Main. B
Adjust : FL403 Main. A

This adjustment subpresses the audio distortion and optimizes the linearity response of audio. Mis-adjustment of the SIF may cause the audio buzz by the increasing of the THD (Total Harmonic Distortion).

1. Apply a 1KHz audio signal to the RF input terminal on the rear panel.
2. Connect a channel-1 scope probe (0.2V/div) to TP-W4
3. Adjust the SIF Control (FL403)for 1.5Vpp.

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4-5-5. RF AGC Adjustment

Equipment : TV Channel Signal Generator
Oscilloscope or DC Voltmeter
Test Point : TP401 (Tuner RF AGC Input) Main. A
Adjust : VR401 (RF AGC Control) Main. A

This adjustment determines the point where the AGC is activated.

1. Apply a PAL color bar signal to the Video Input Terminal of the TV Channel Signal Generator. (Fig 22)
2. Set the channel Selector to A.
3. Apply the Output of the Generator to the RF IN Terminal on the rear panel. Using the attenuator, adjust the point signal level for 70dBu measured at the RF IN Terminator. (Fig. 22)
4. Connect a channel-1 scope probe (1V/div.) to TP401.
5. Turn the VCR power on and select TV Mode with SW715.
6. Set the channel on the front panel to A(Refer to table2)
7. Adjust the RF AGC Control (VR401) for B.(Refer to table 2)
8. Aftern adjusting the point level of the RF IN terminal for 60dBu, check the condition of screen. If there is some noise, adjust VR401 so that the noise disappears.
9. And adjust the input levelof the RF IN Terminal for 100dBu, then check the condition of screen. If there are some Saturations (unstable picture or color, etc), adjust VR401 again so that the saturation phenominon disappear.

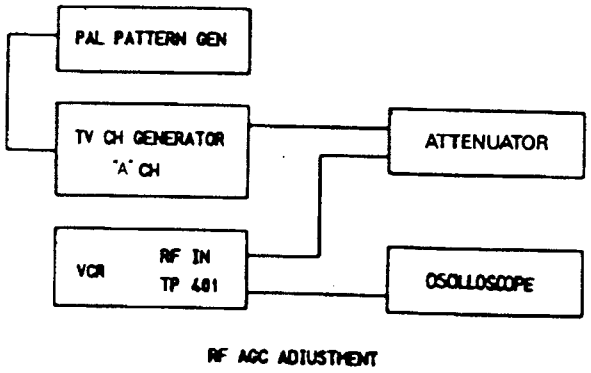

Fig. 22 RF AGC Adjustment

Application model	A(Channel & Freq.)	B (Voltage)
VK-8220	2 CH (48.25 MHz)	4.7+/-0.1V
VX-8220/8225	2CH (48.25 MHz)	4.7+/-0.1V
VB-8220A	1CH (57.25 MHz)	4.7+/-0.1V
VI-8220	21CH (471.25 MHz)	5.0+/-0.1V

*.Table 2

*. DUAL SOUND Adjustment(OPTION)

Equipment: Frequency Counter
Test Point : DTP01
Adjust : DFL04

This is the adjustment to mix1MHz carrier wiht sound carrier of PAL I and D/K.

1. Connect the RF signal to the RF jack.
2. Connect a frequency counter with DTP01.
3. Adjust the DFL04 for frequency counter to be 1.0 +/- 0.5 MHz.

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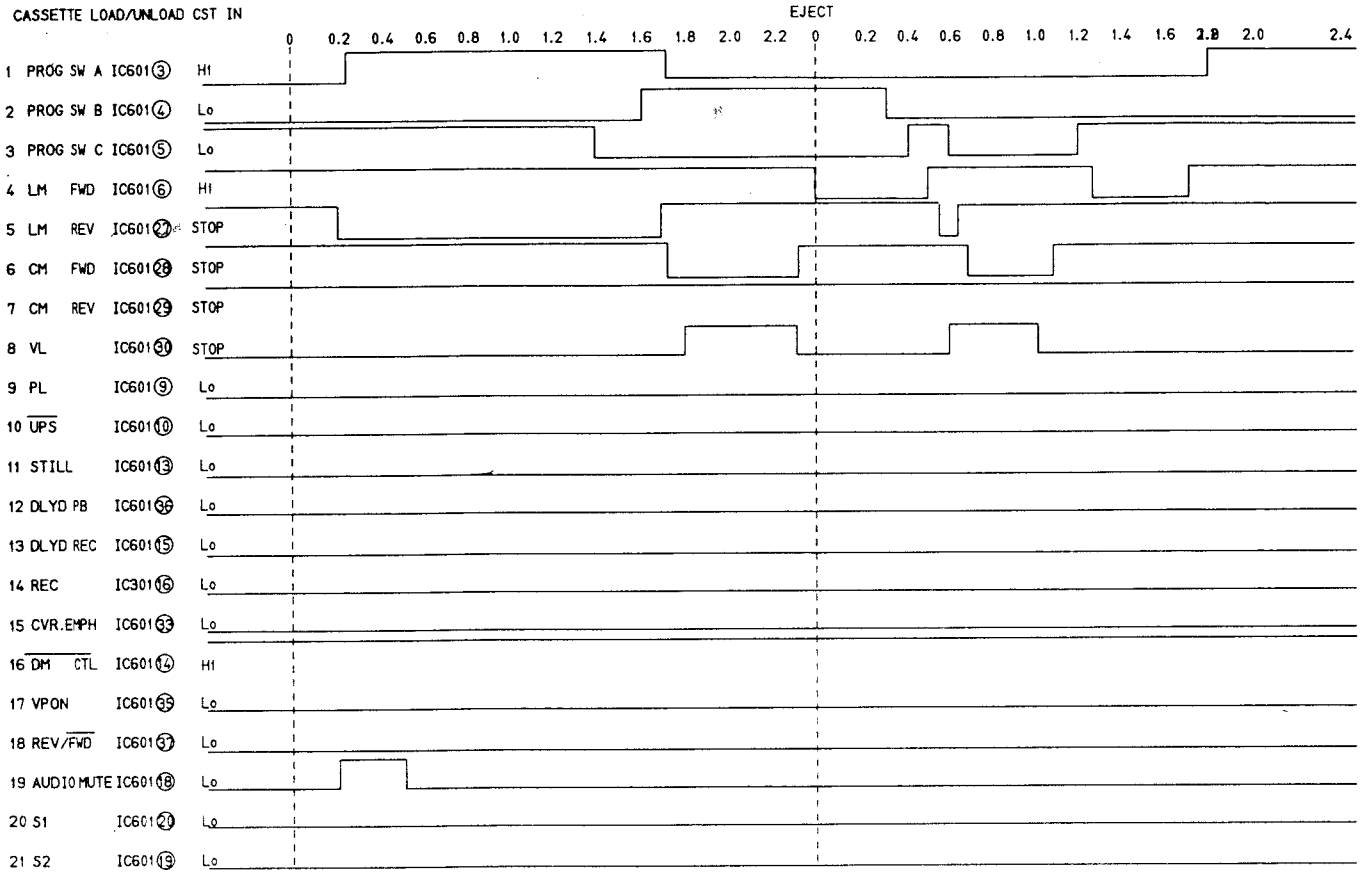
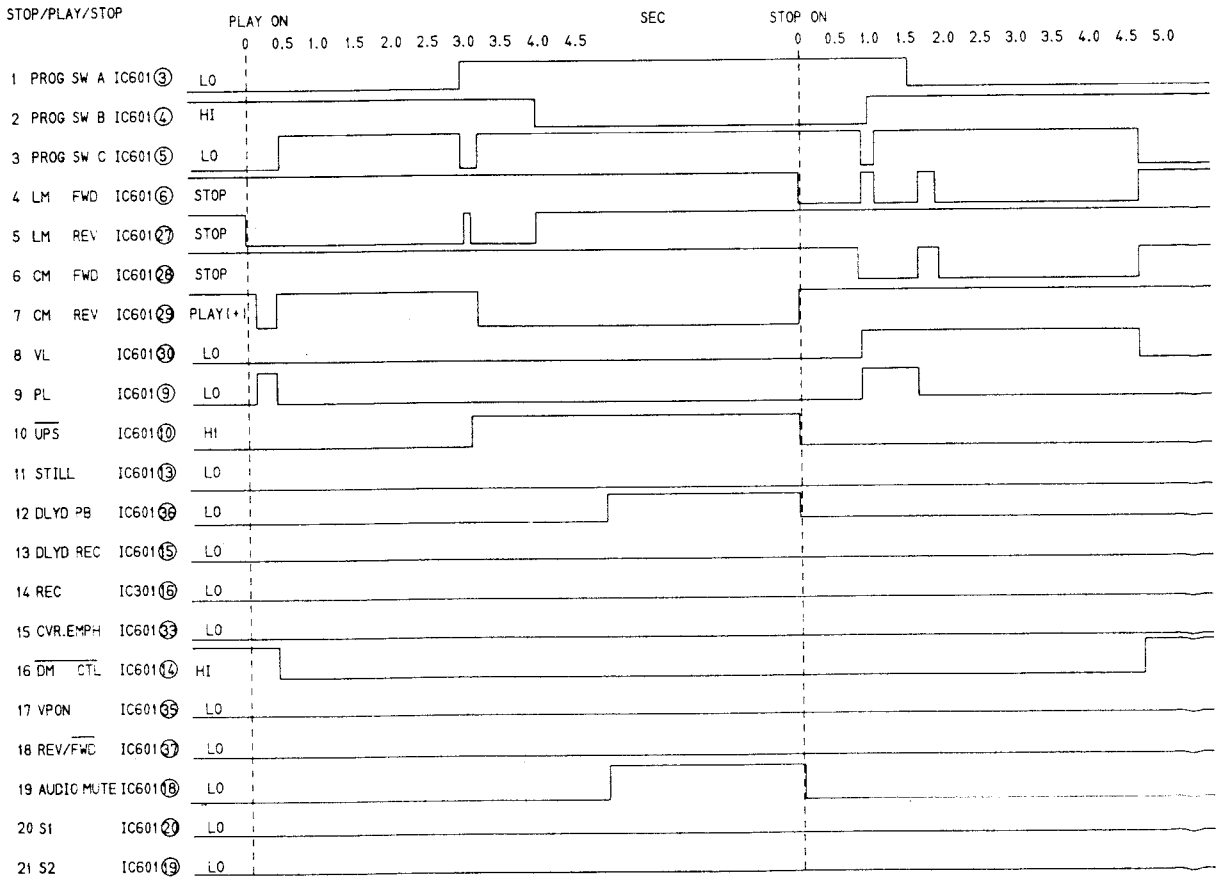
5. TIMING CHART / TROUBLESHOOTING GUIDER

5-1. Timing Chart


CASSETTE LOAD/UNLOAD CST IN
EJECT
0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.4
1 PROG SW A IC601③ HI
2 PROG SW B IC601④ Lo
3 PROG SW C IC601⑤ Lo
4 LM FWD IC601⑥ HI
5 LM REV IC601㉗ STOP
6 CM FWD IC601㉘ STOP
7 CM REV IC601㉙ STOP
8 VL IC601㉚ STOP
9 PL IC601⑨ Lo
10 UPS IC601⑩ Lo
11 STILL IC601⑬ Lo
12 DLYD PB IC601㊱ Lo
13 DLYD REC IC601⑮ Lo
14 REC IC301⑯ Lo
15 CVR.EMPH IC601㉝ Lo
16 DM CTL IC601⑭ HI
17 VPON IC601㉟ Lo
18 REV/FWD IC601㊲ Lo
19 AUDIO MUTE IC601⑱ Lo
20 S1 IC601⑳ Lo
21 S2 IC601⑲ Lo


STOP/PLAY/STOP
PLAY ON
SEC
STOP ON
0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5
0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
1 PROG SW A IC601③ LO
2 PROG SW B IC601④ HI
3 PROG SW C IC601⑤ LO
4 LM FWD IC601⑥ STOP
5 LM REV IC601㉗ STOP
6 CM FWD IC601㉘ STOP
7 CM REV IC601㉙ PLAY(+)
8 VL IC601㉚ LO
9 PL IC601⑨ LO
10 UPS IC601⑩ HI
11 STILL IC601⑬ LO
12 DLYD PB IC601㊱ LO
13 DLYD REC IC601⑮ LO
14 REC IC301⑯ LO
15 CVR.EMPH IC601㉝ LO
16 DM CTL IC601⑭ HI
17 VPON IC601㉟ LO
18 REV/FWD IC601㊲ LO
19 AUDIO MUTE IC601⑱ LO
20 S1 IC601⑳ LO
21 S2 IC601⑲ LO

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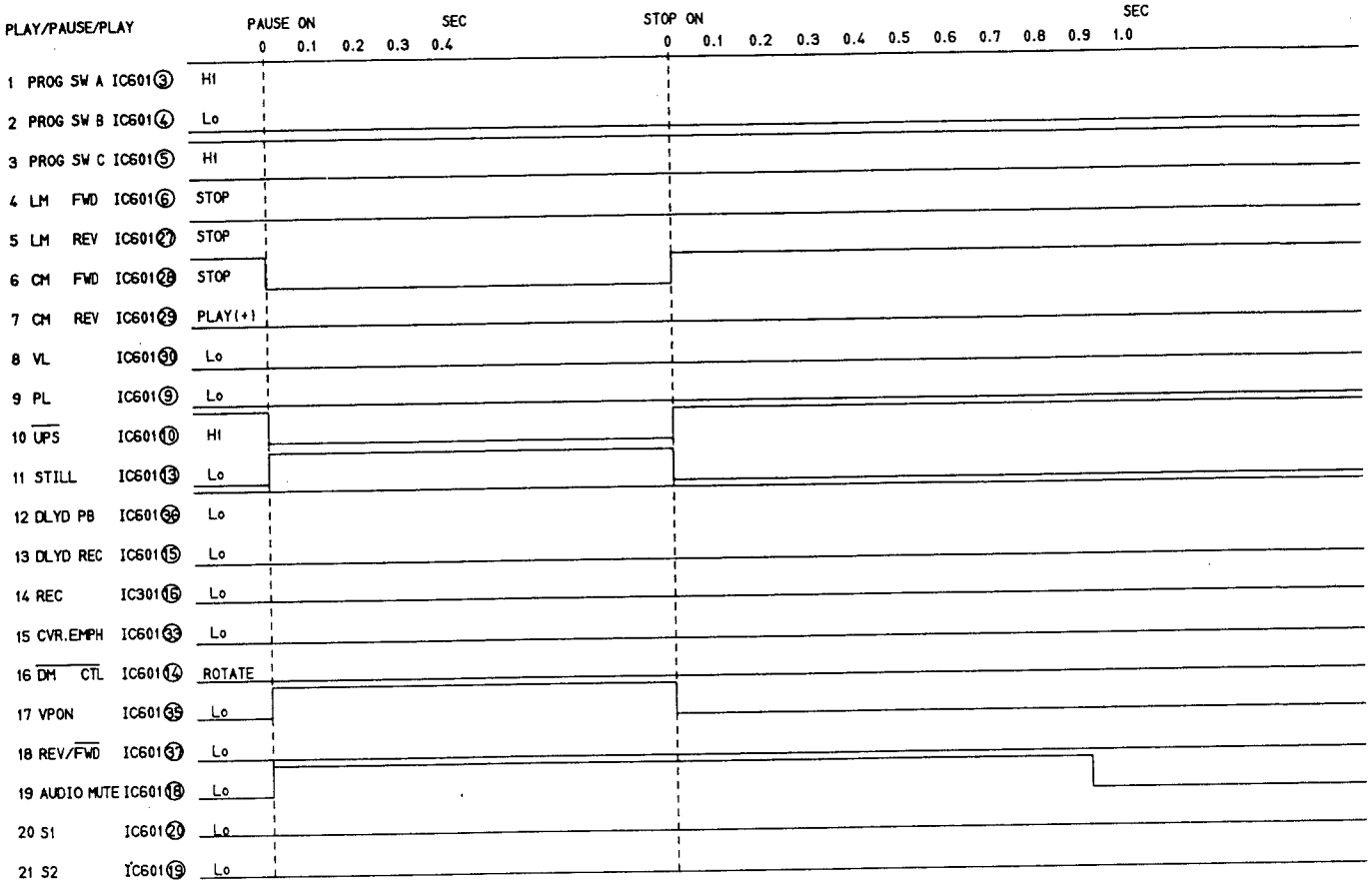
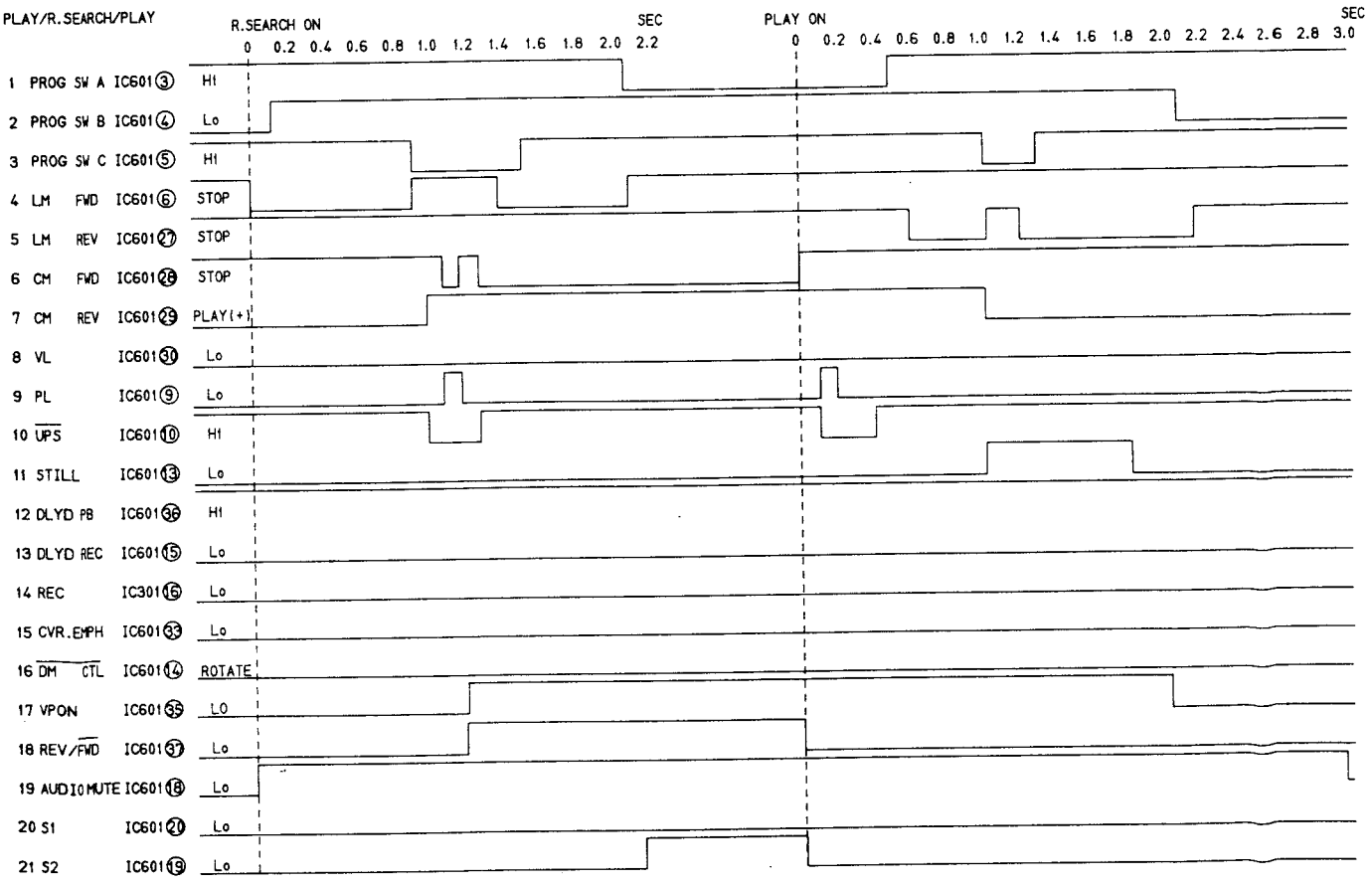

PLAY/PAUSE/PLAY
PAUSE ON
SEC
STOP ON
SEC
0 0.1 0.2 0.3 0.4
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
1 PROG SW A IC601③ HI
2 PROG SW B IC601④ Lo
3 PROG SW C IC601⑤ HI
4 LM FWD IC601⑥ STOP
5 LM REV IC601㉗ STOP
6 CM FWD IC601㉘ STOP
7 CM REV IC601㉙ PLAY(+)
8 VL IC601㉚ Lo
9 PL IC601⑨ Lo
10 UPS IC601⑩ HI
11 STILL IC601⑬ Lo
12 DLYD PB IC601㊱ Lo
13 DLYD REC IC601⑮ Lo
14 REC IC301⑯ Lo
15 CVR.EMPH IC601㉝ Lo
16 DM CTL IC601⑭ ROTATE
17 VPON IC601㉟ Lo
18 REV/FWD IC601㉗ Lo
19 AUDIO MUTE IC601⑱ Lo
20 S1 IC601⑳ Lo
21 S2 IC601⑲ Lo


PLAY/R.SEARCH/PLAY
R.SEARCH ON
SEC
PLAY ON
SEC
0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2
0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0
1 PROG SW A IC601③ HI
2 PROG SW B IC601④ Lo
3 PROG SW C IC601⑤ HI
4 LM FWD IC601⑥ STOP
5 LM REV IC601㉗ STOP
6 CM FWD IC601㉘ STOP
7 CM REV IC601㉙ PLAY(+)
8 VL IC601㉚ Lo
9 PL IC601⑨ Lo
10 UPS IC601⑩ HI
11 STILL IC601⑬ Lo
12 DLYD PB IC601㊱ HI
13 DLYD REC IC601⑮ Lo
14 REC IC301⑯ Lo
15 CVR.EMPH IC601㉝ Lo
16 DM CTL IC601⑭ ROTATE
17 VPON IC601㉟ LO
18 REV/FWD IC601㉗ Lo
19 AUDIO MUTE IC601⑱ Lo
20 S1 IC601⑳ Lo
21 S2 IC601⑲ Lo

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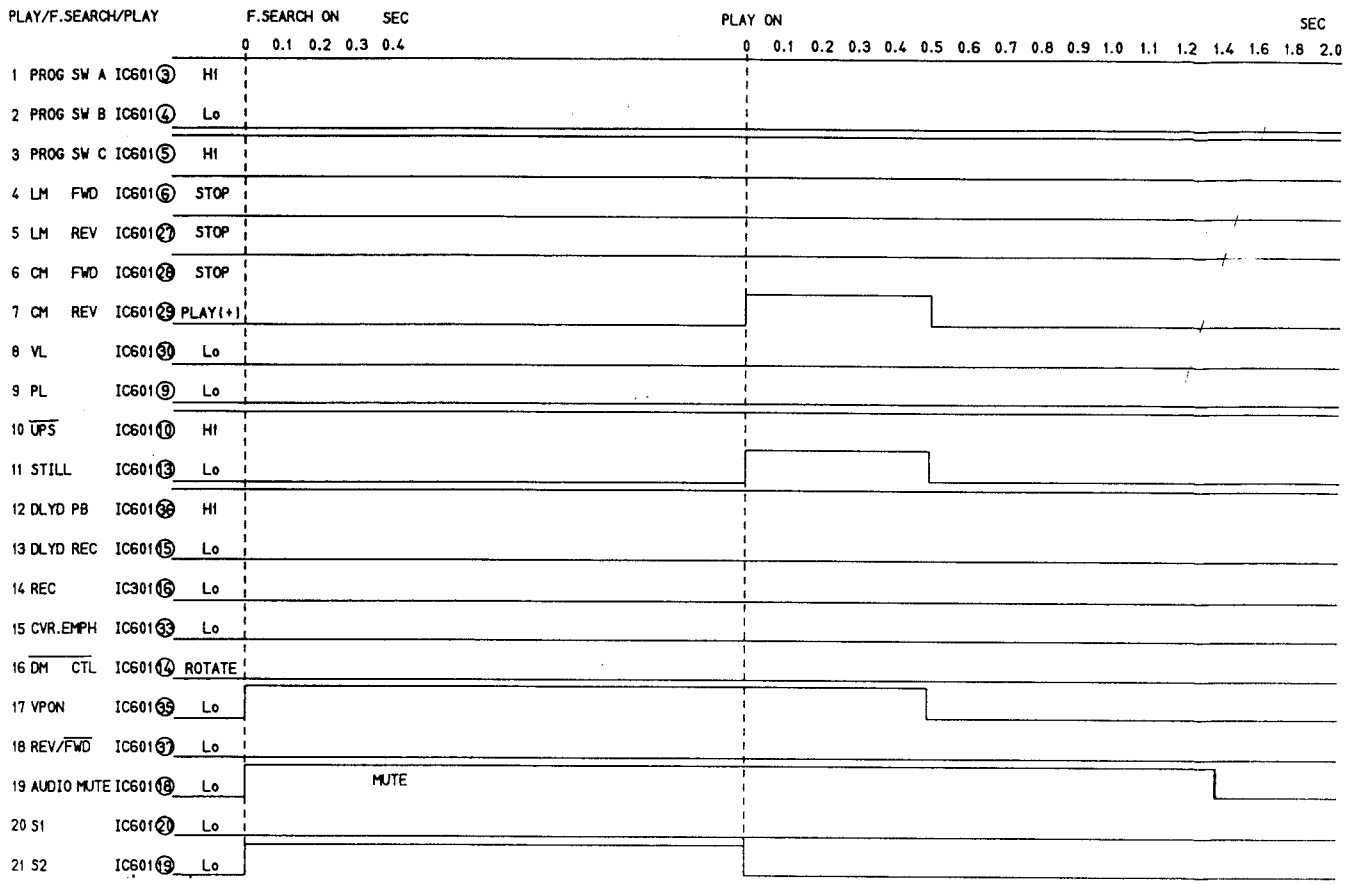
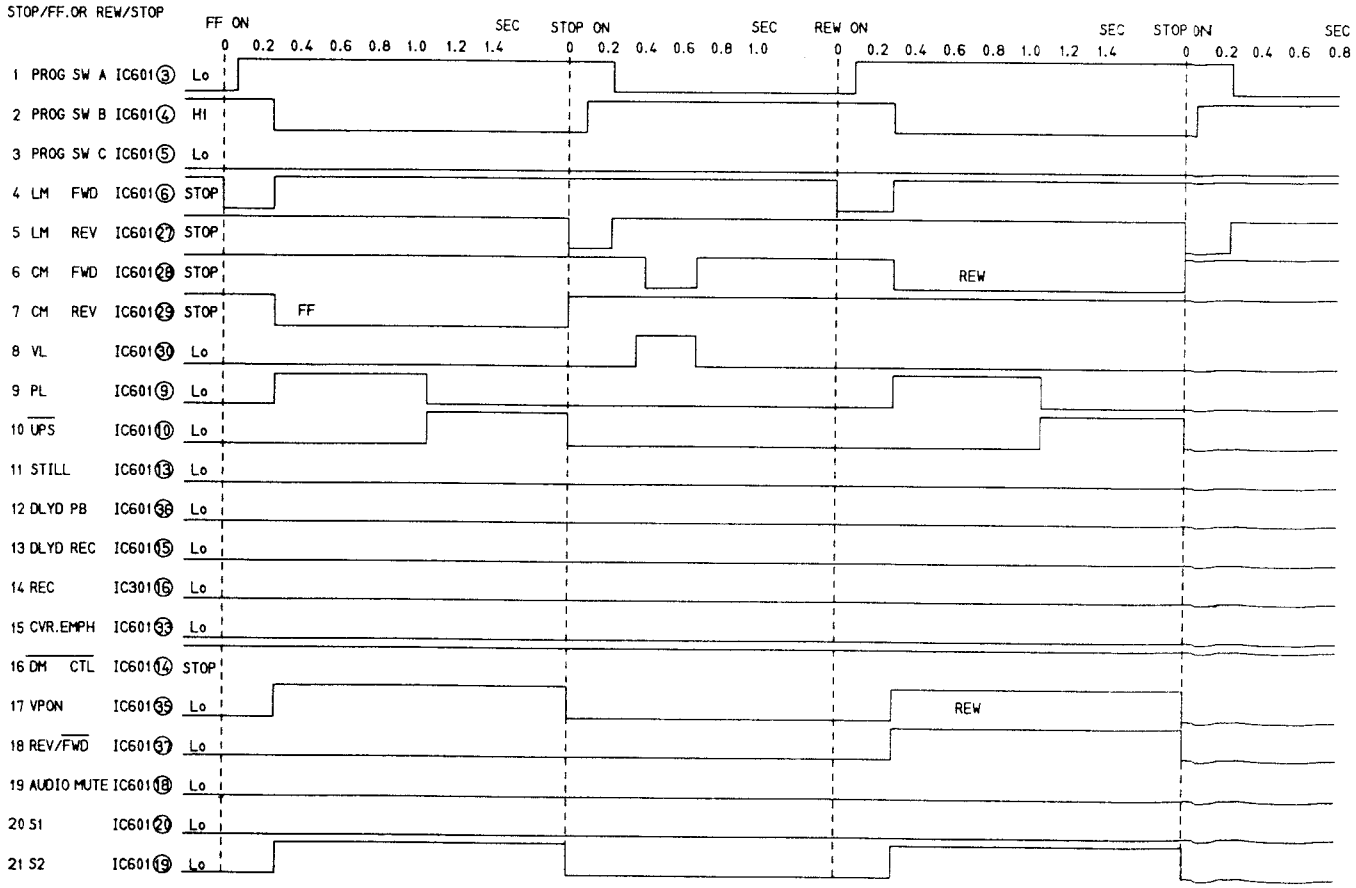

PLAY/F.SEARCH/PLAY
F.SEARCH ON
SEC
PLAY ON
SEC
0 0.1 0.2 0.3 0.4
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.4 1.6 1.8 2.0
1 PROG SW A IC601③ HI
2 PROG SW B IC601④ Lo
3 PROG SW C IC601⑤ HI
4 LM FWD IC601⑥ STOP
5 LM REV IC601㉗ STOP
6 CM FWD IC601㉘ STOP
7 CM REV IC601㉙ PLAY(+)
8 VL IC601㉚ Lo
9 PL IC601⑨ Lo
10 $\overline{UPS}$ IC601⑩ HI
11 STILL IC601⑬ Lo
12 DLYD PB IC601㊱ HI
13 DLYD REC IC601⑮ Lo
14 REC IC301⑯ Lo
15 CVR.EMPH IC601㉝ Lo
16 $\overline{DM}$ CTL IC601⑭ ROTATE
17 VPON IC601㉟ Lo
18 REV/$\overline{FWD}$ IC601㊲ Lo
19 AUDIO MUTE IC601⑱ Lo
MUTE
20 S1 IC601⑳ Lo
21 S2 IC601⑲ Lo



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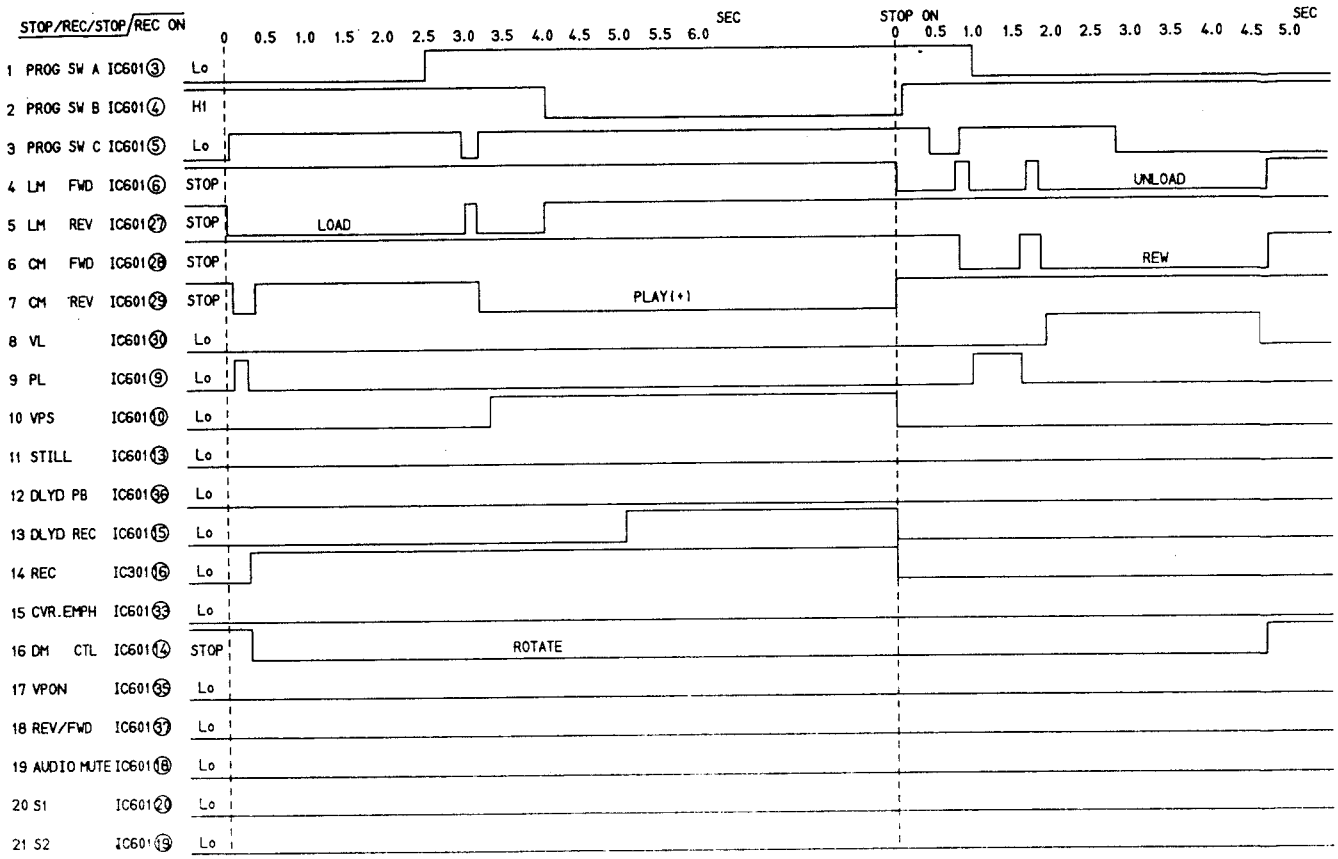
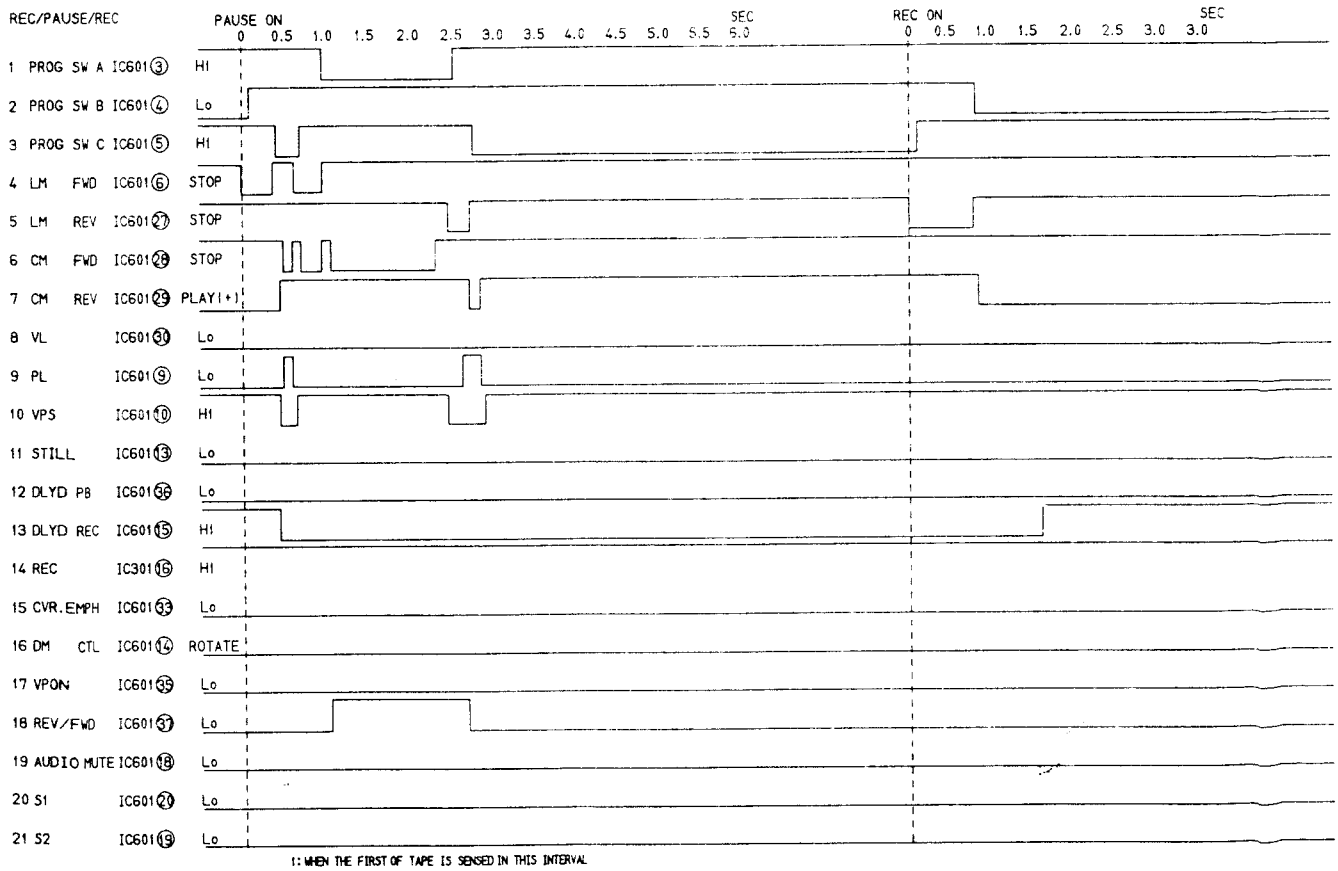

STOP/REC/STOP/REC ON
0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 SEC
STOP ON
0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 SEC
1 PROG SW A IC601③ Lo
2 PROG SW B IC601④ HI
3 PROG SW C IC601⑤ Lo
4 LM FWD IC601⑥ STOP
5 LM REV IC601㉗ STOP
6 CM FWD IC601㉘ STOP
7 CM REV IC601㉙ STOP
8 VL IC601㉚ Lo
9 PL IC601⑨ Lo
10 VPS IC601⑩ Lo
11 STILL IC601⑬ Lo
12 DLYD PB IC601㊱ Lo
13 DLYD REC IC601⑮ Lo
14 REC IC301⑯ Lo
15 CVR.EMPH IC601㉝ Lo
16 DM CTL IC601⑭ STOP
17 VPON IC601㉟ Lo
18 REV/FWD IC601㊲ Lo
19 AUDIO MUTE IC601⑱ Lo
20 S1 IC601⑳ Lo
21 S2 IC601⑲ Lo
LOAD
PLAY(+)
ROTATE
UNLOAD
REW


REC/PAUSE/REC
PAUSE ON
0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 SEC
REC ON
0 0.5 1.0 1.5 2.0 2.5 3.0 3.0 SEC
1 PROG SW A IC601③ HI
2 PROG SW B IC601④ Lo
3 PROG SW C IC601⑤ HI
4 LM FWD IC601⑥ STOP
5 LM REV IC601㉗ STOP
6 CM FWD IC601㉘ STOP
7 CM REV IC601㉙ PLAY(+)
8 VL IC601㉚ Lo
9 PL IC601⑨ Lo
10 VPS IC601⑩ HI
11 STILL IC601⑬ Lo
12 DLYD PB IC601㊱ Lo
13 DLYD REC IC601⑮ HI
14 REC IC301⑯ HI
15 CVR.EMPH IC601㉝ Lo
16 DM CTL IC601⑭ ROTATE
17 VPON IC601㉟ Lo
18 REV/FWD IC601㊲ Lo
19 AUDIO MUTE IC601⑱ Lo
20 S1 IC601⑳ Lo
21 S2 IC601⑲ Lo

1: WHEN THE FIRST OF TAPE IS SENSED IN THIS INTERVAL THE NEXT STEP IN THIS TIMING CHART WILL BE PERFOMED

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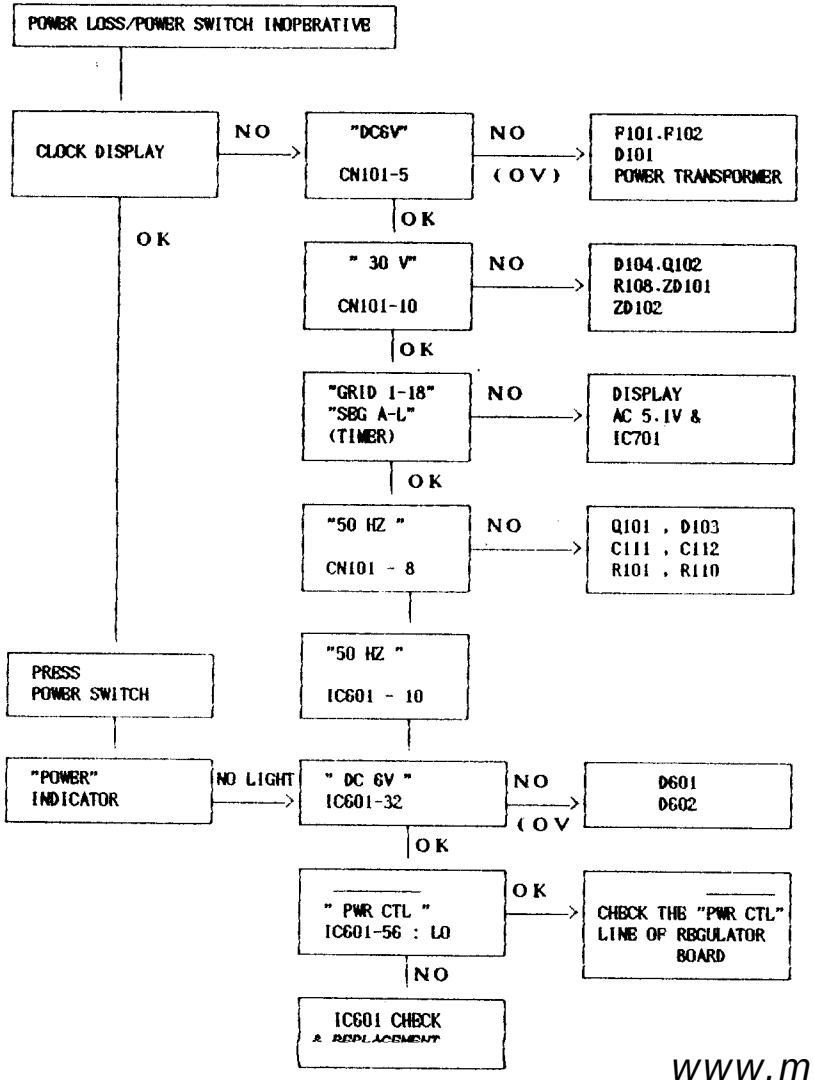
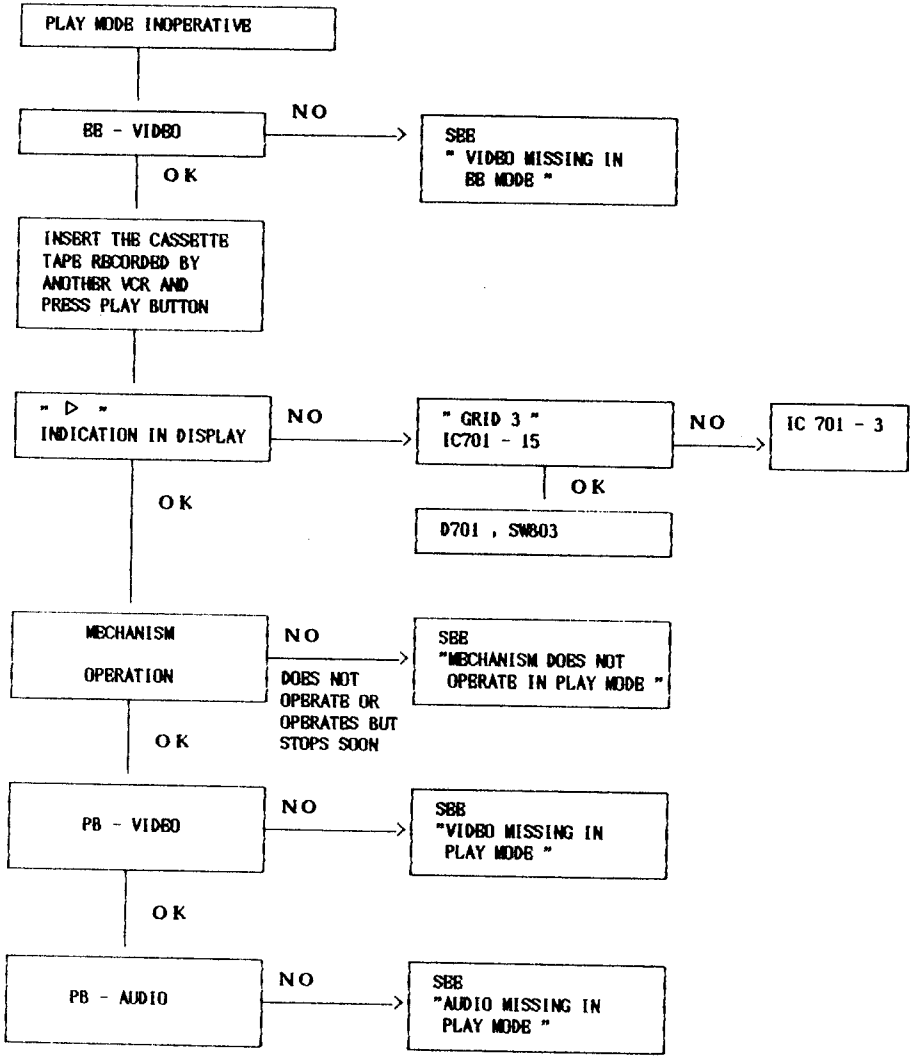
5-2. Troubleshooting Guides

5-2-1.



5-2-2.



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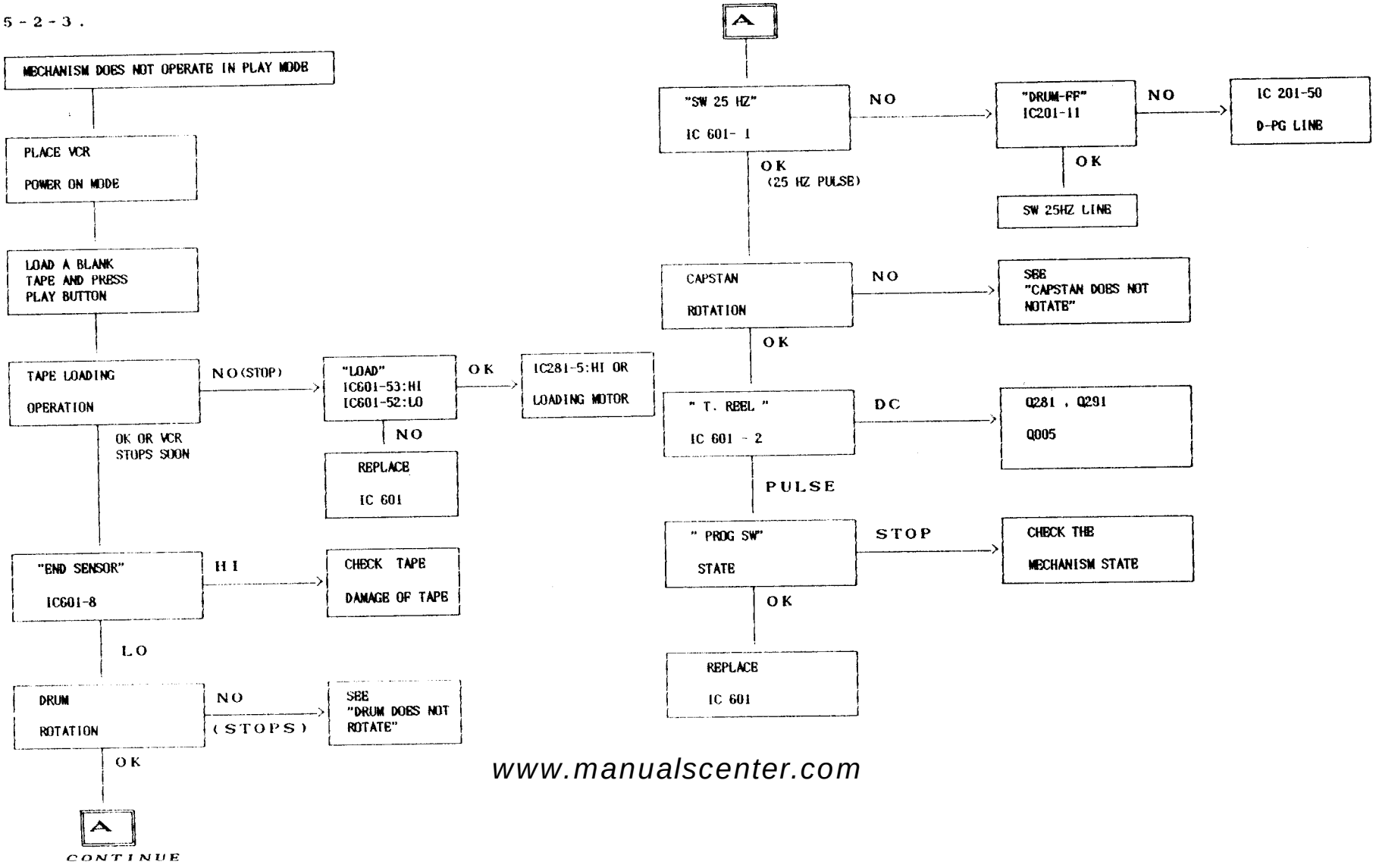

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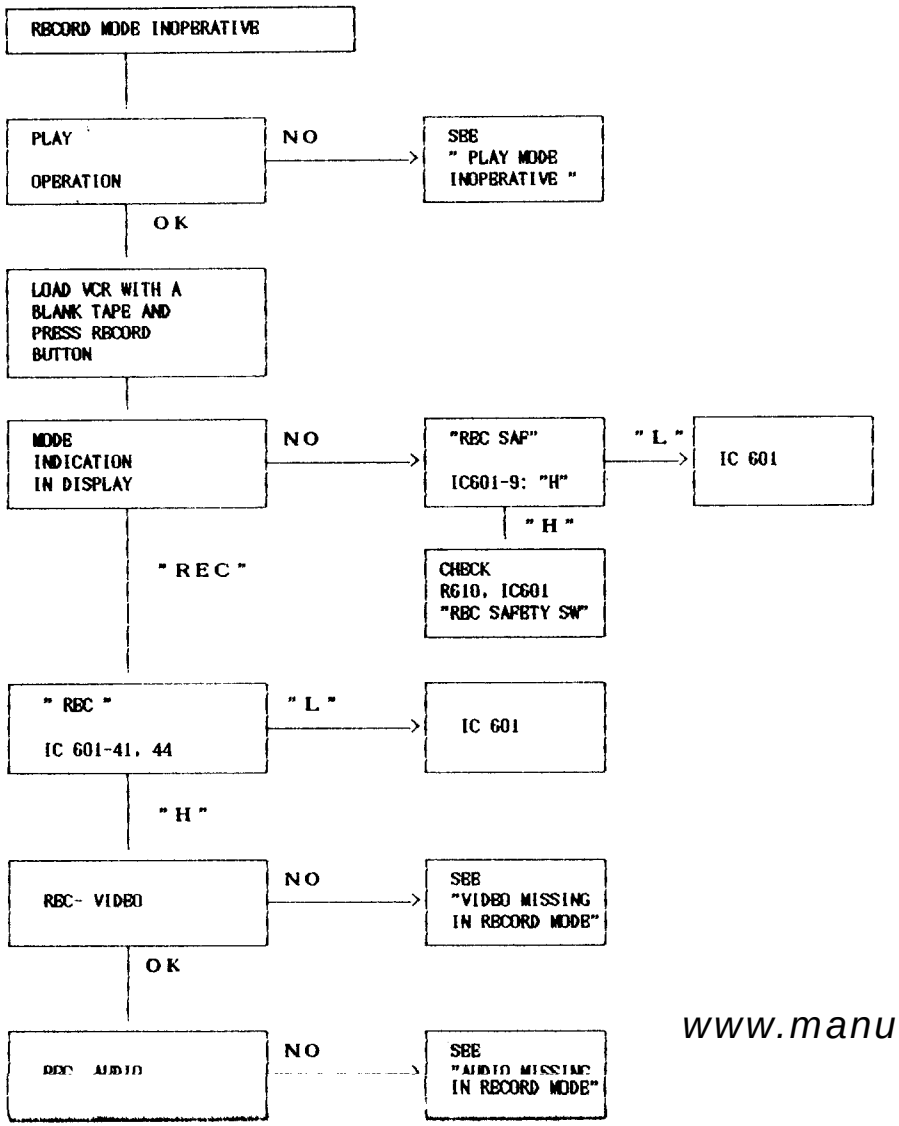
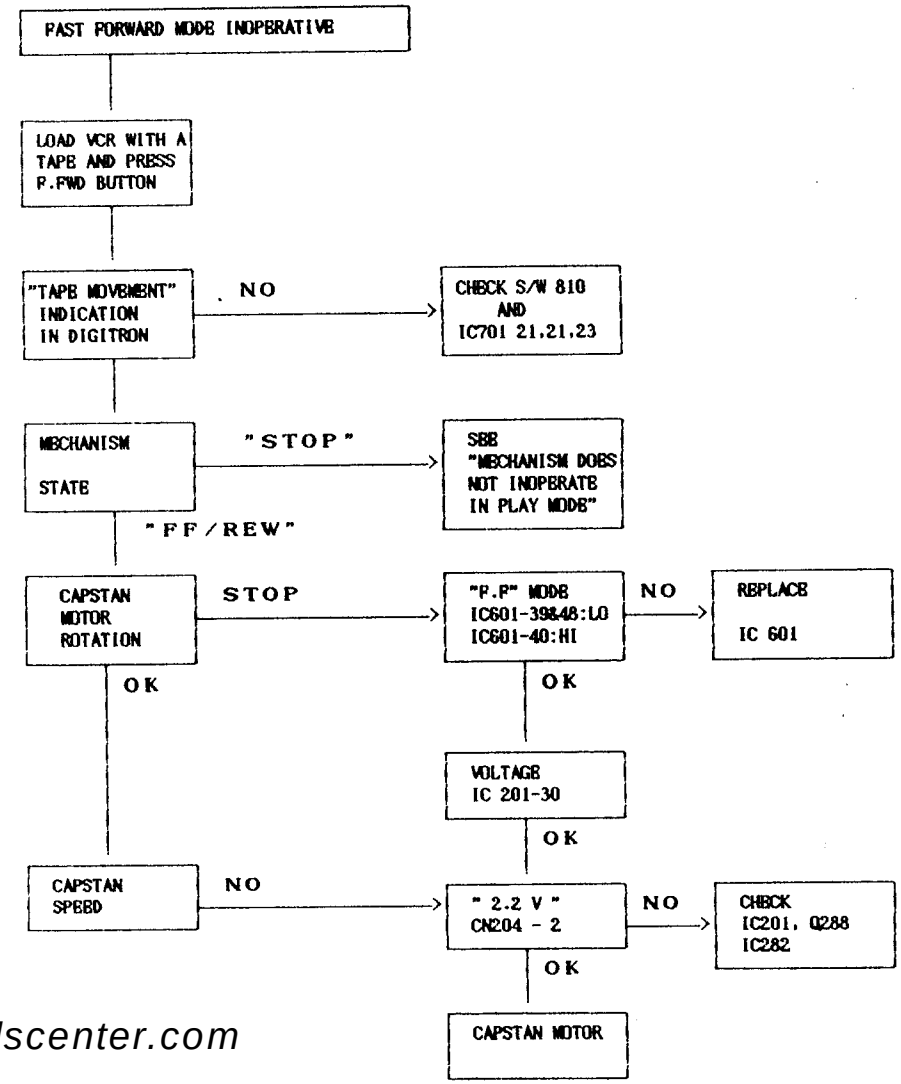
5 - 2 - 4 .



5 - 2 - 5



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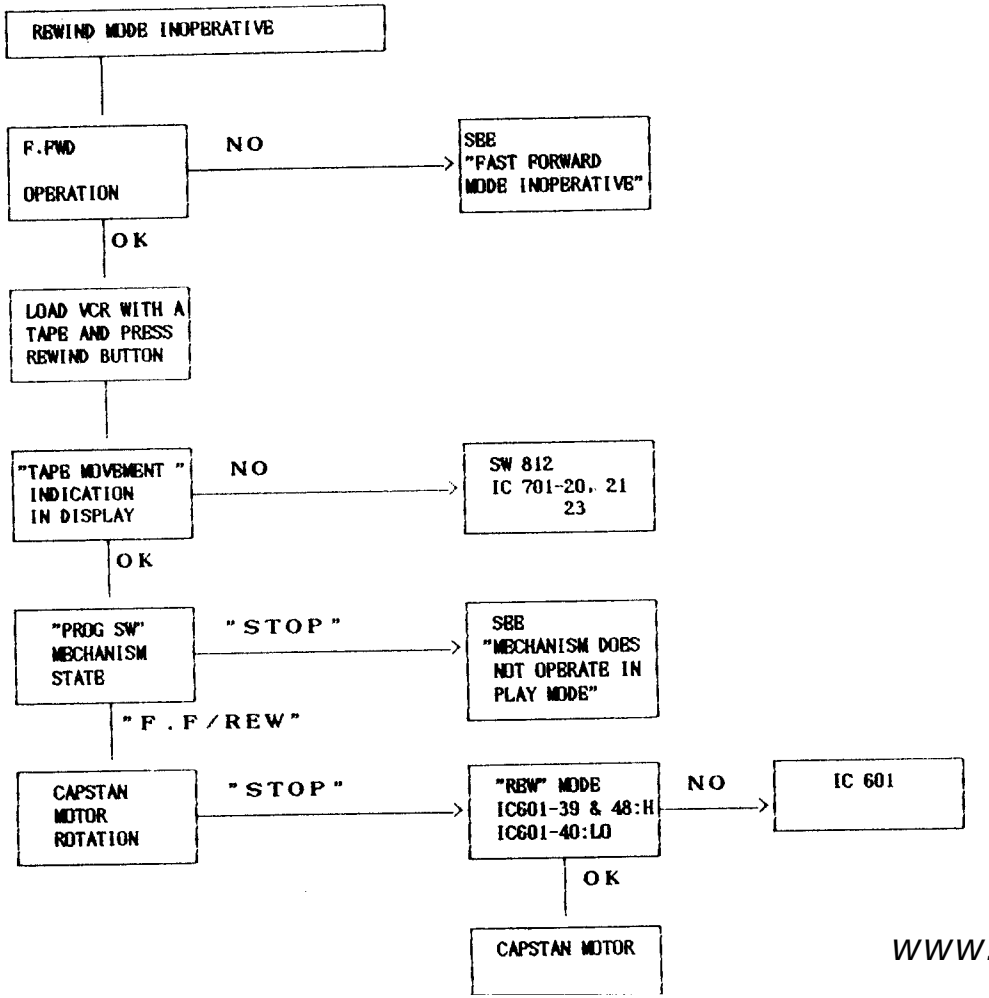
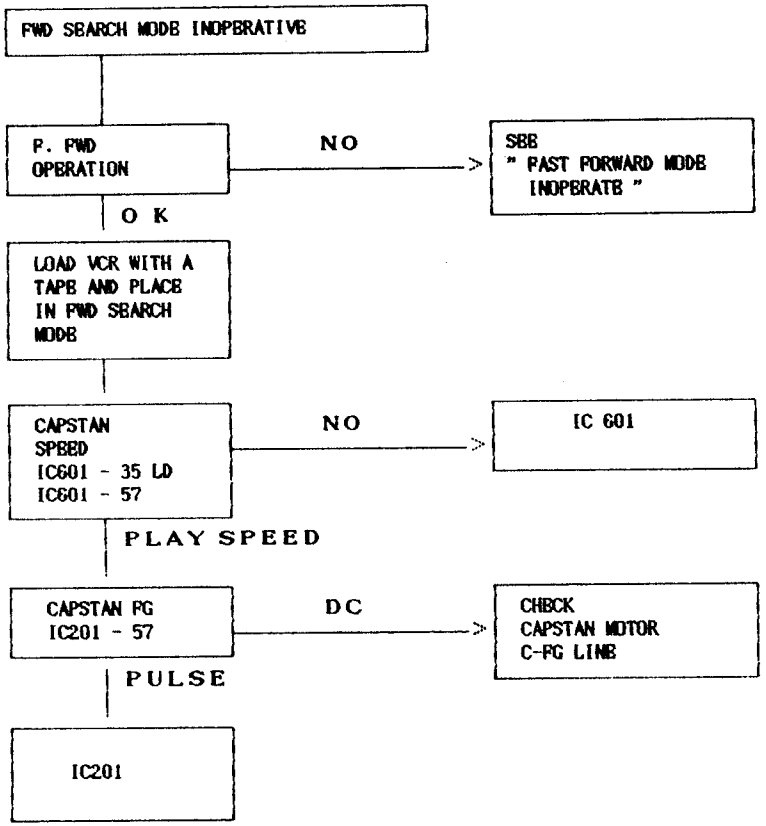
5-2-6.



5-2-7.



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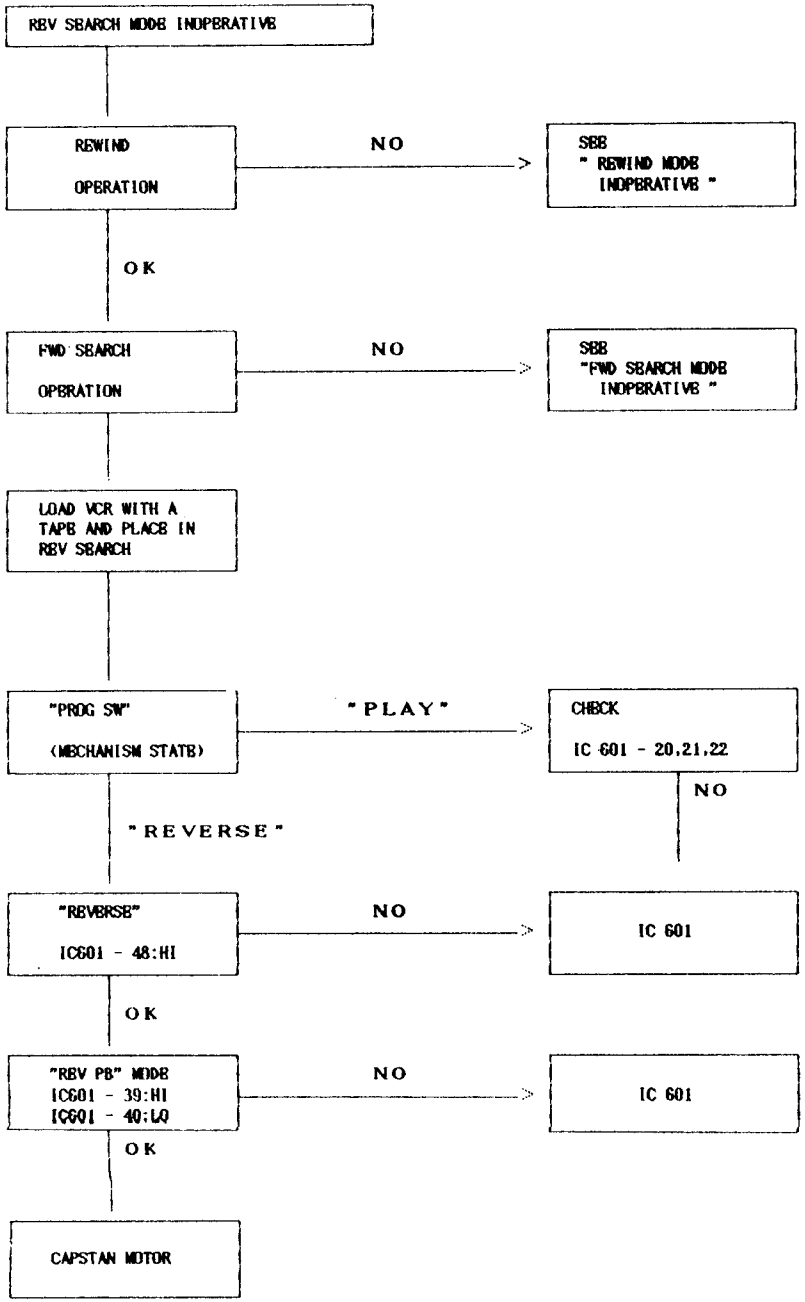
5 - 2 - 8 .



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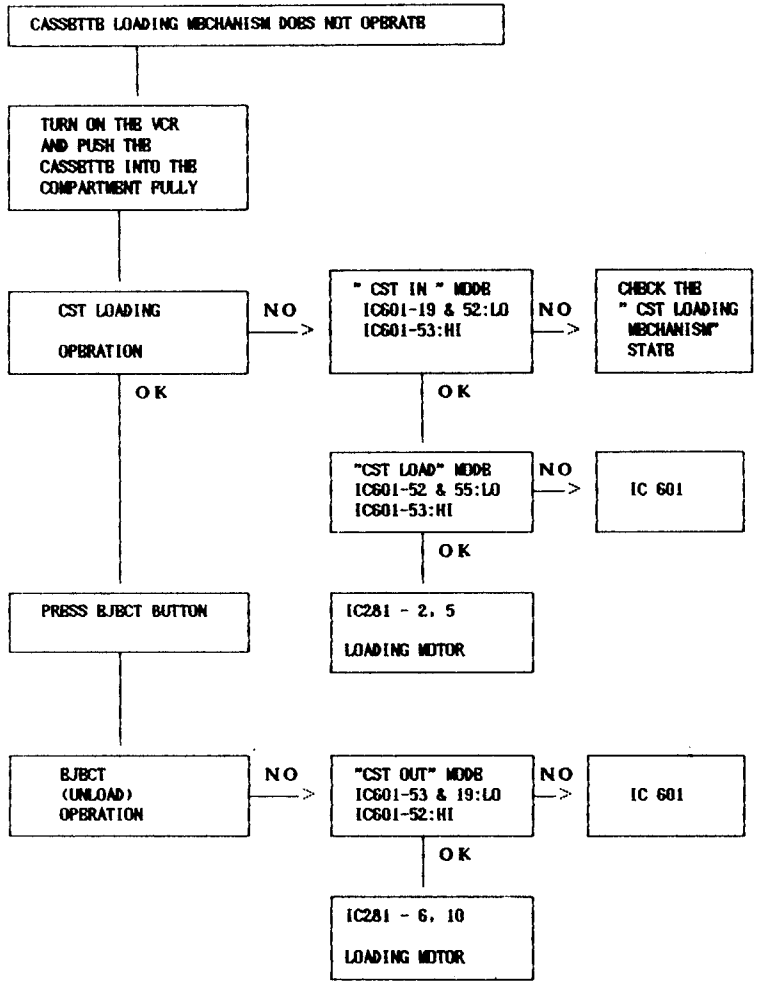

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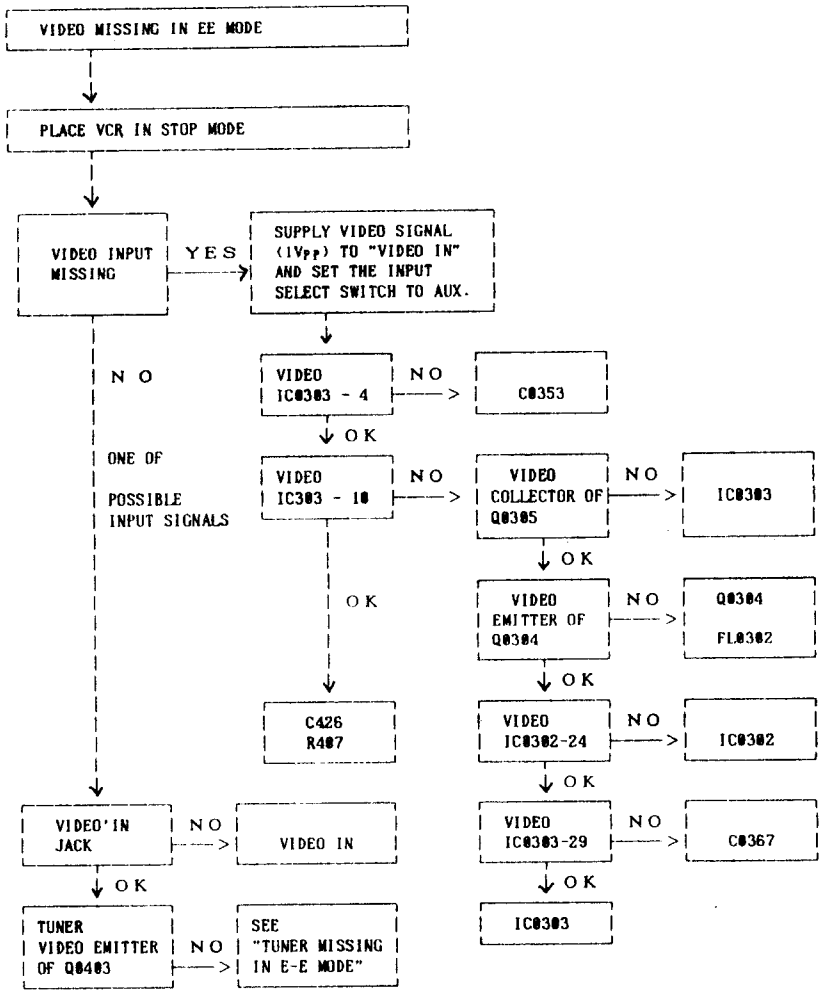
5 - 2 - 1 0 .



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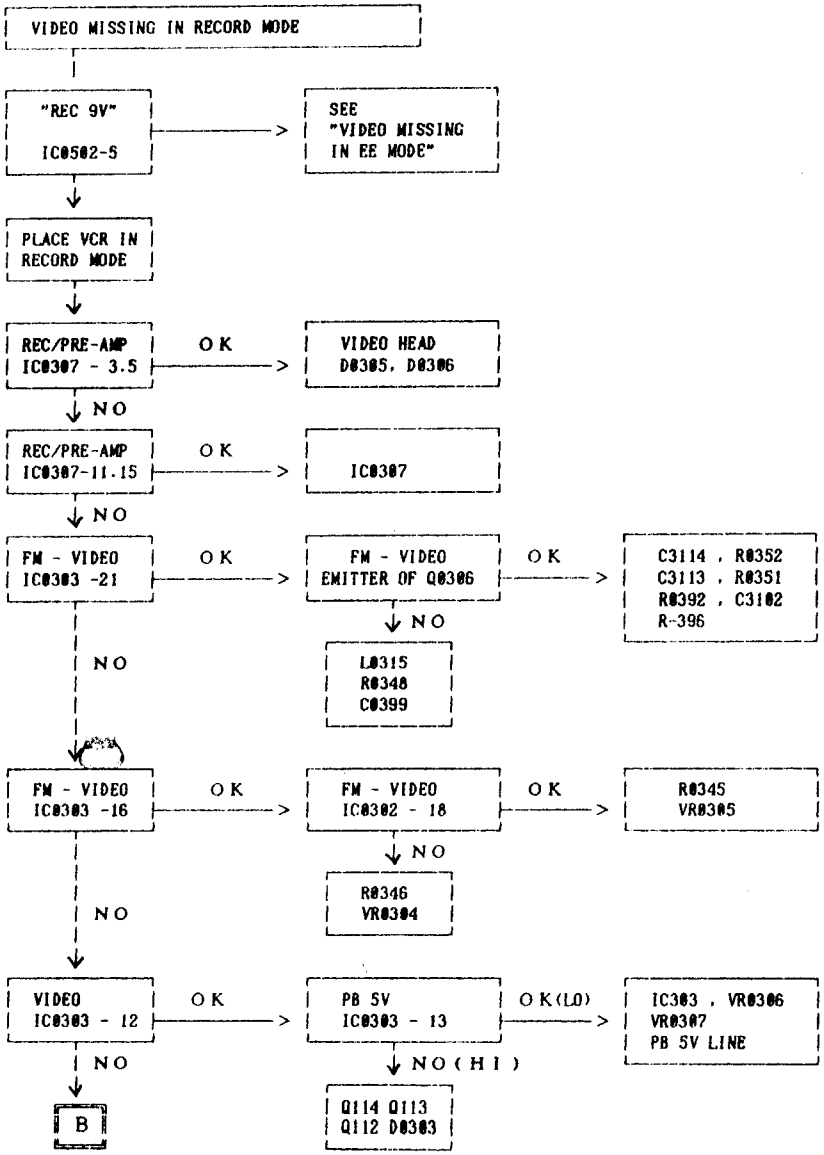

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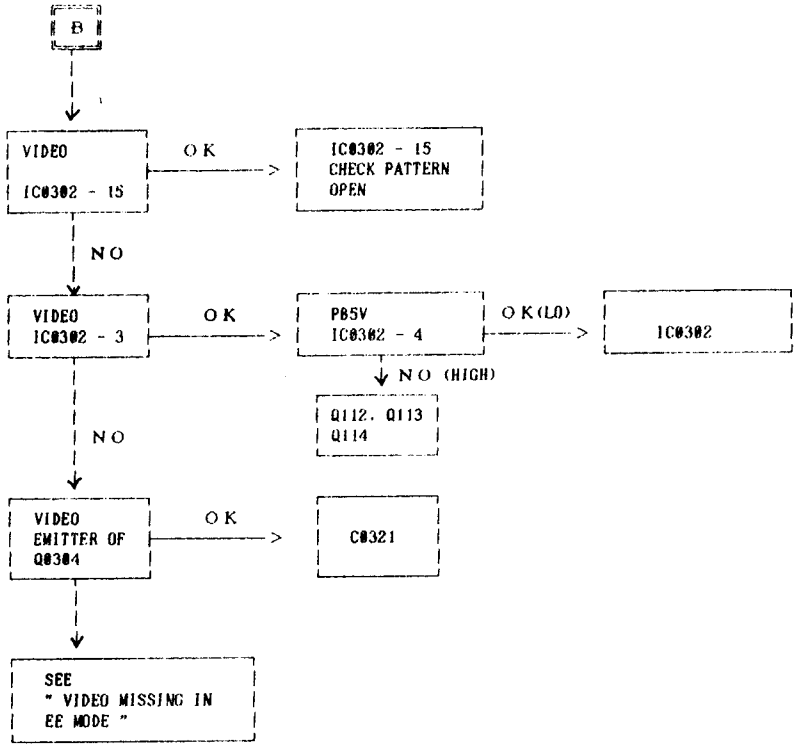

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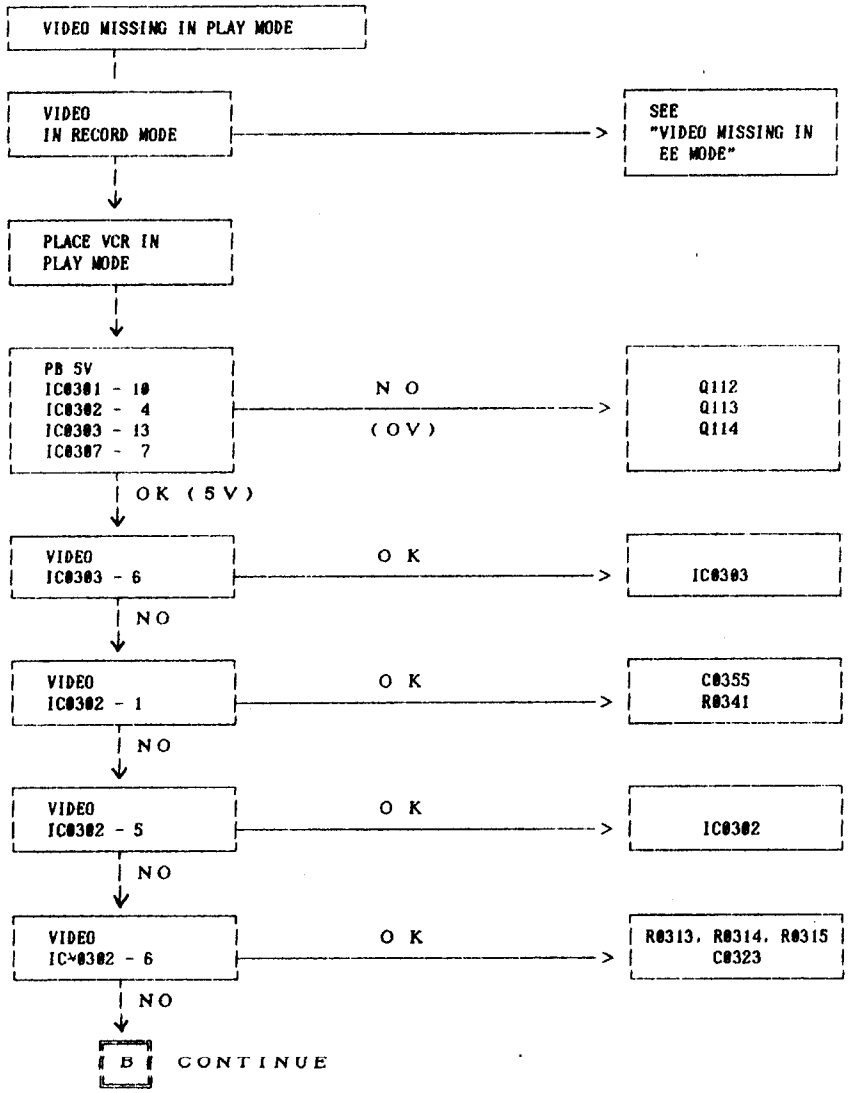

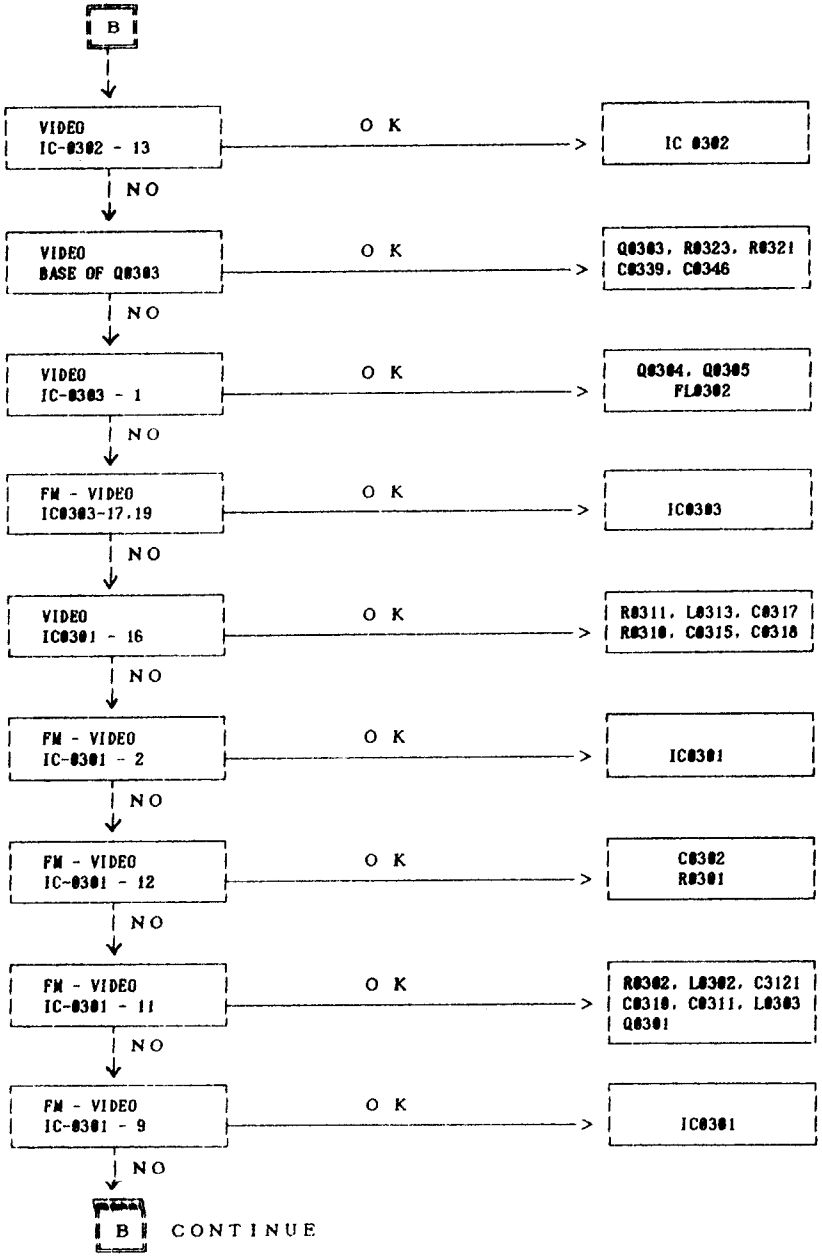

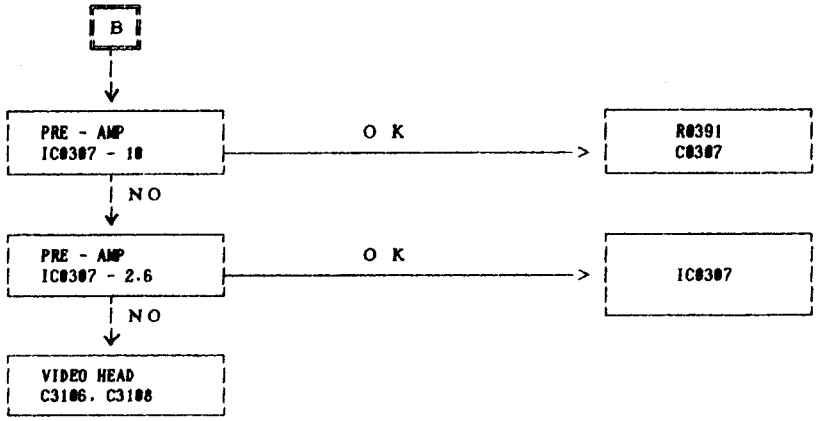

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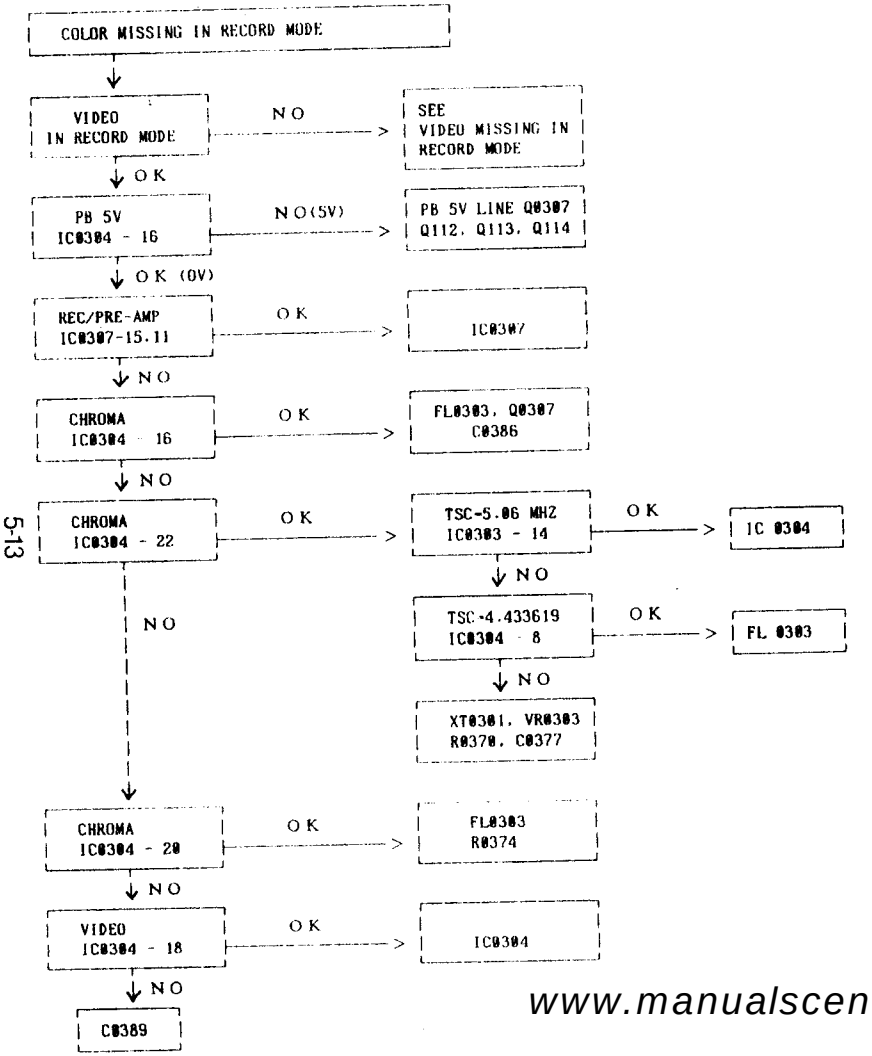
5 - 2 - 1 3 .



5-13

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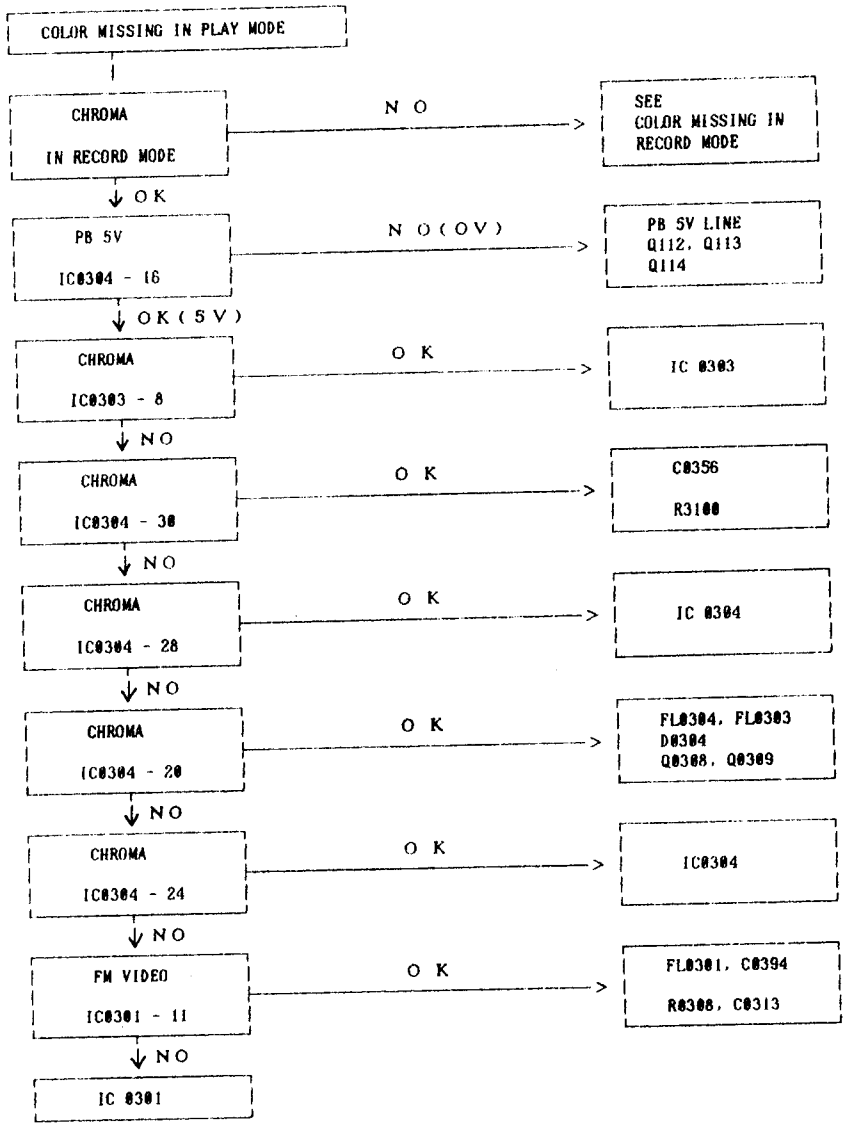
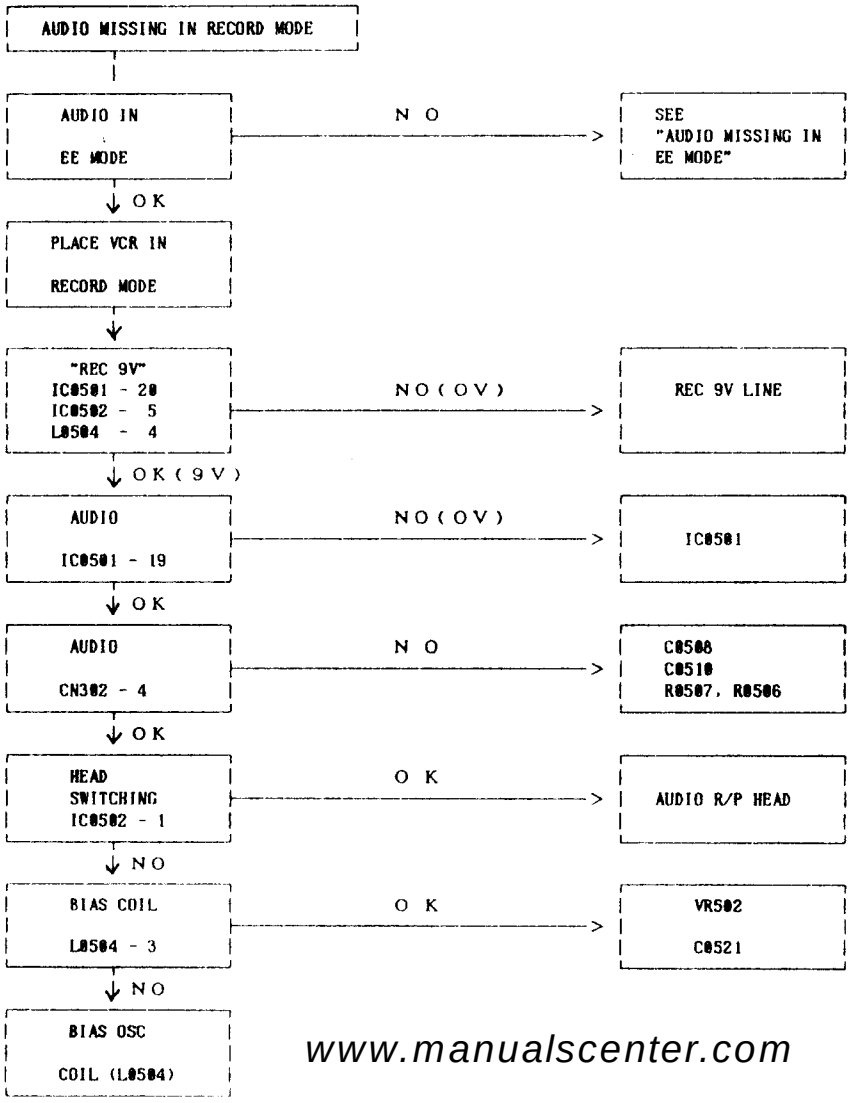
5 - 2 - 1 4 .





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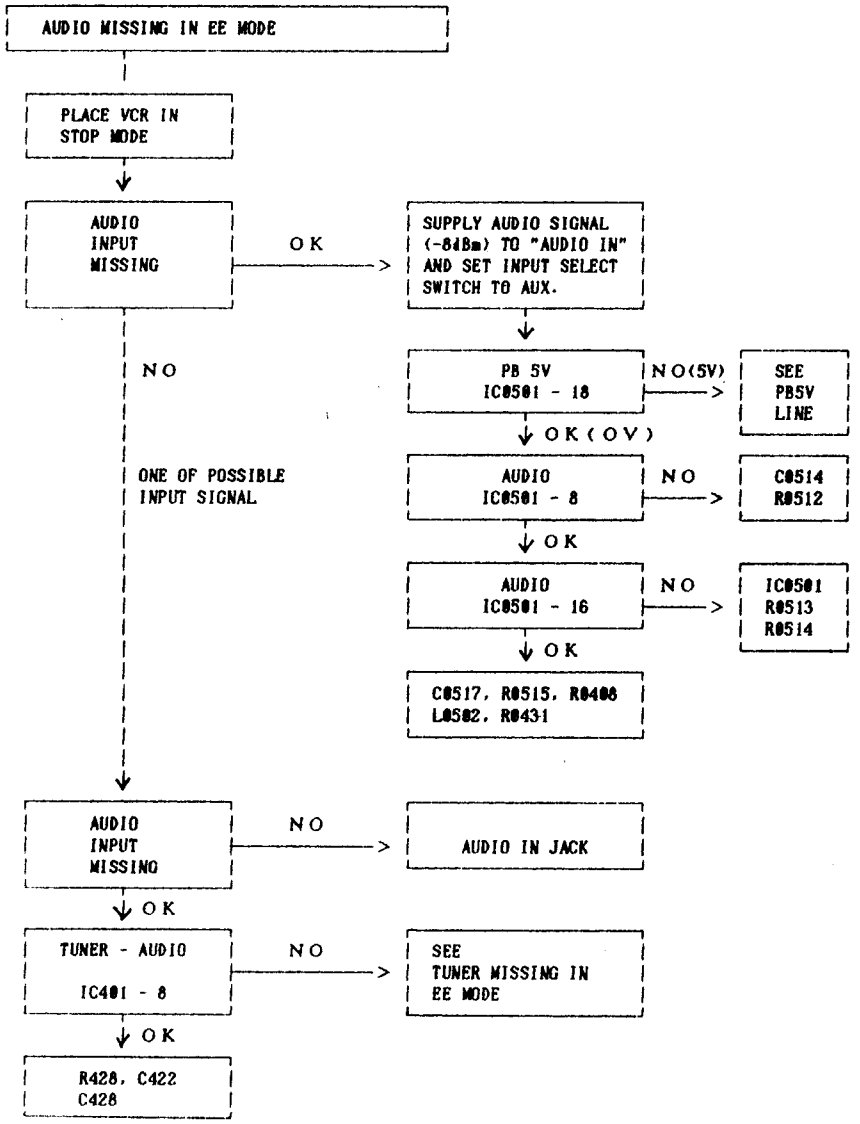

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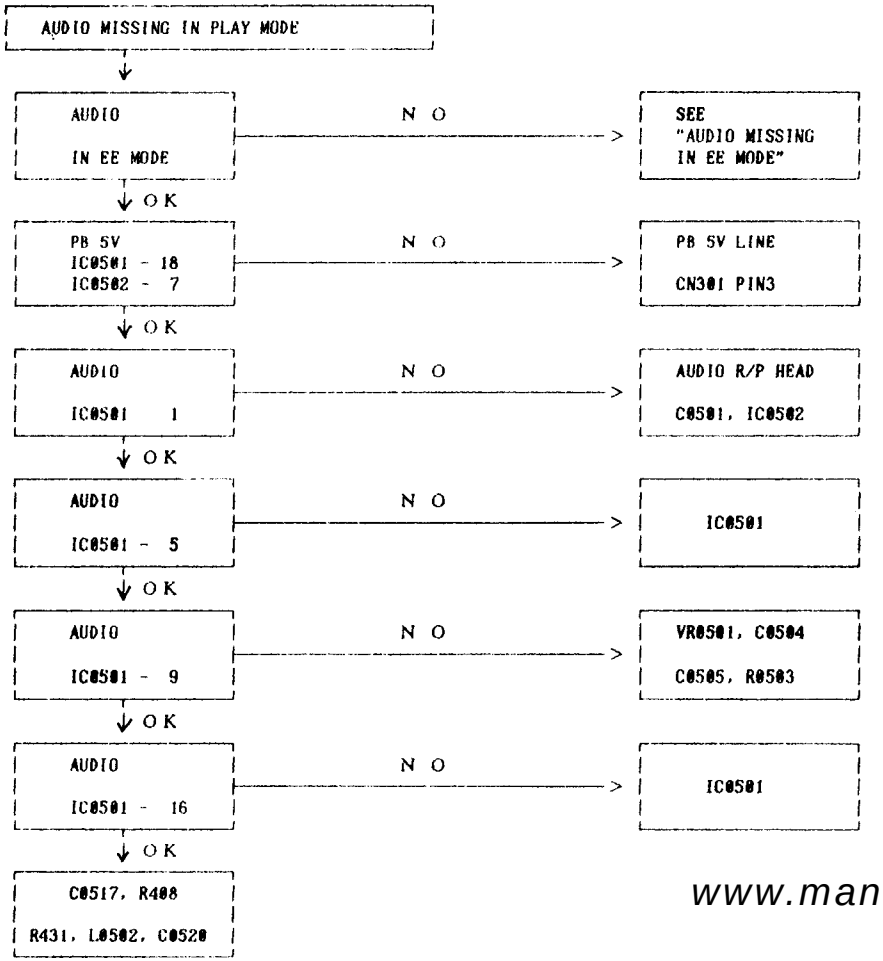

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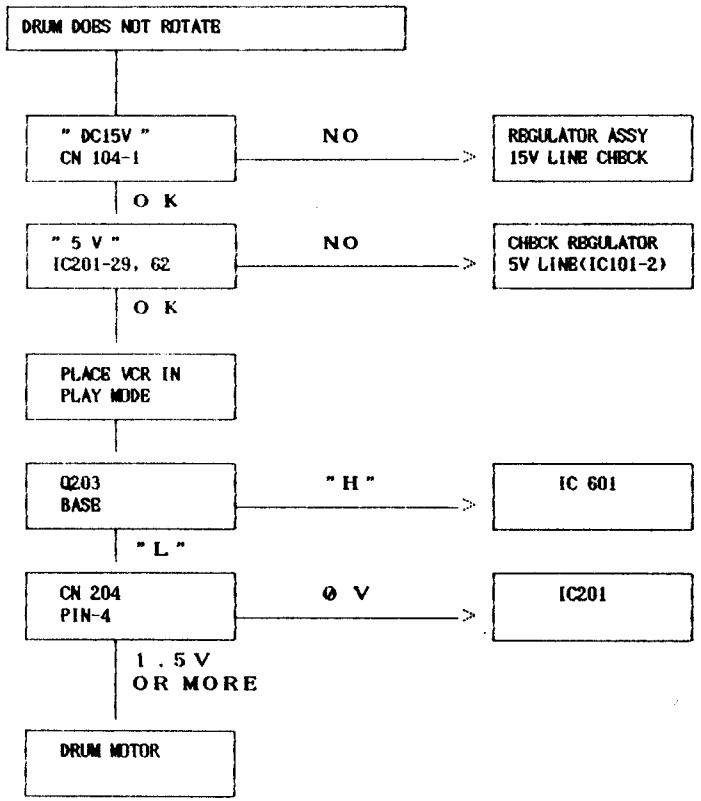

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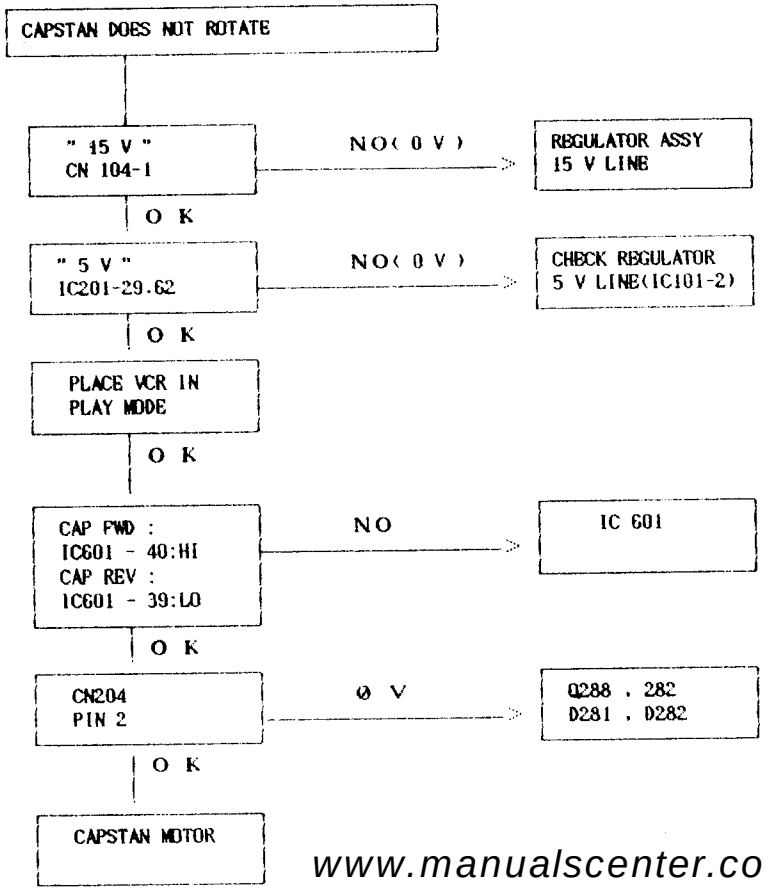
5 - 2 - 19 .



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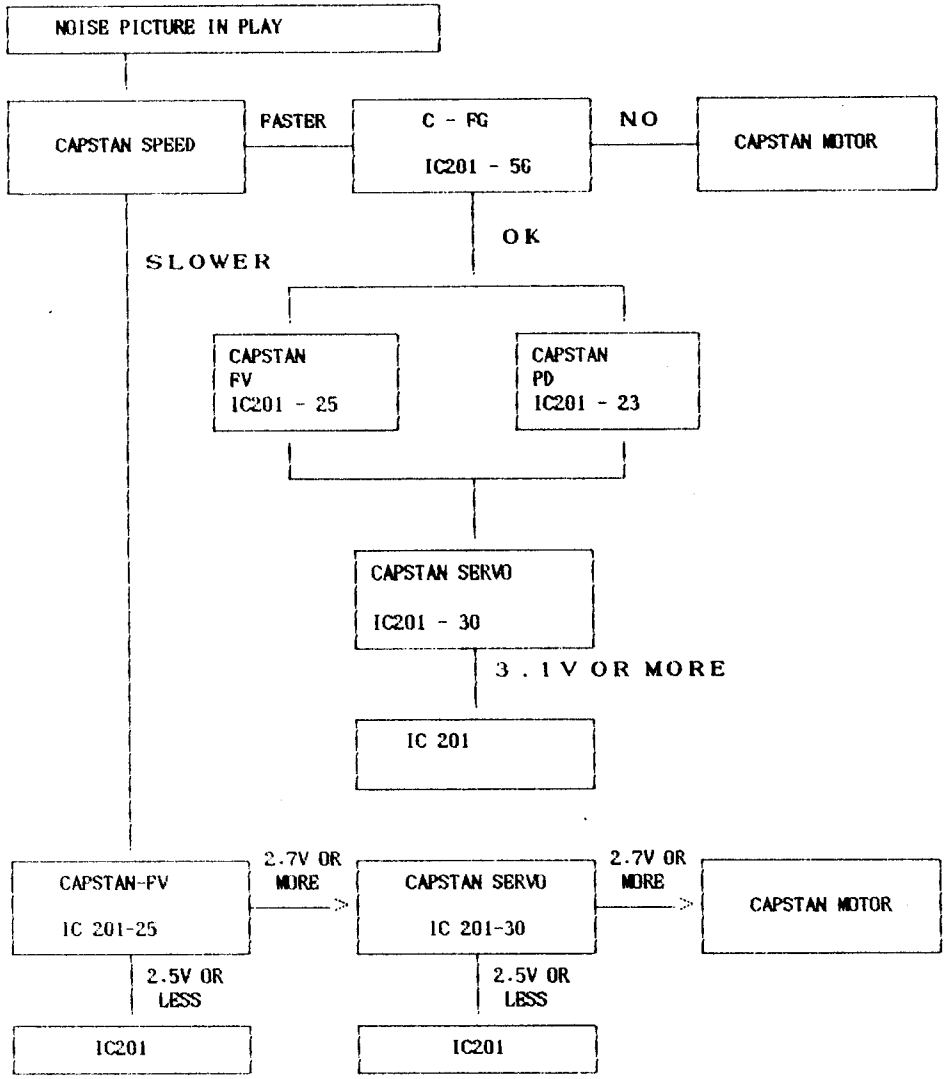
5 - 2 - 20



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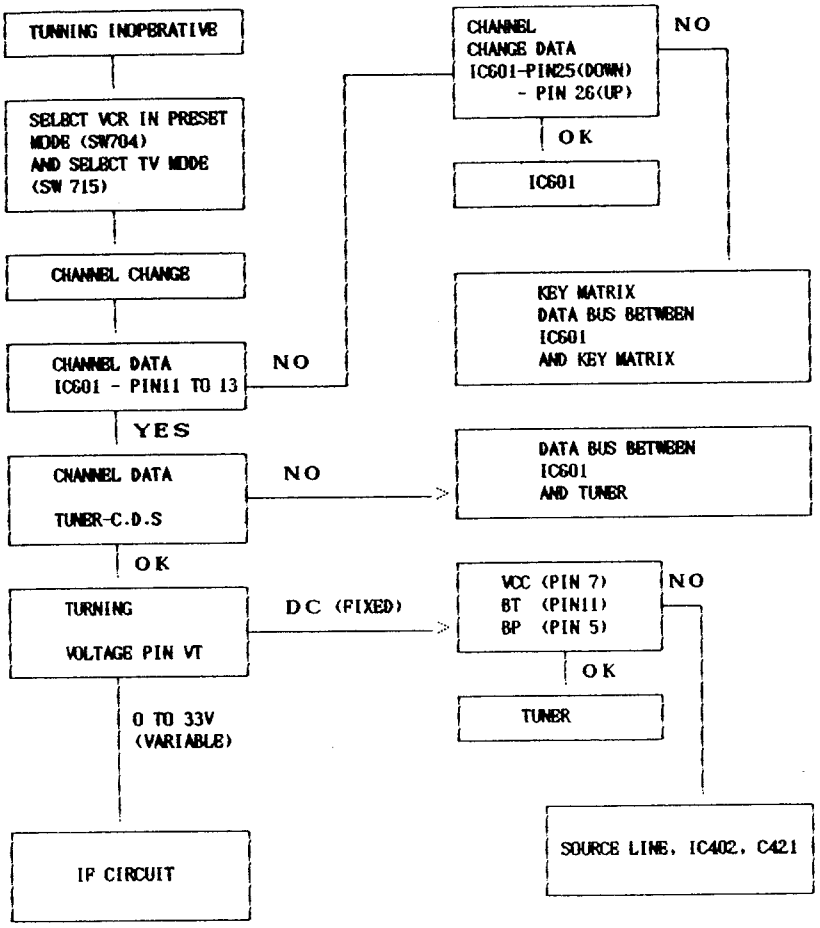

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LOCA.NO	PART-NUMBER	DESCRIPTION;SPECIFICATION	REMARK
		INSTRUMENT ASSEMBLY	
1	69000-173-176	ASS'Y PANEL FRONT ; VK8220	
	69000-183-012	ASS'Y PANEL FRONT ; VI/VX8220	
	69000-183-011	ASS'Y PANEL FRONT ; VB8220A.VX8220E	
	69000-183-052	ASS'Y PANEL FRONT ; VW8220	
1-1	69000-173-201	ASS'Y PANEL FRONT ; VX8225	
	69000-173-226	ASS'Y PANEL FRONT ; VI8225	
	69000-173-225	ASS'Y PANEL FRONT ; VD8225	
2	67601-607-010	PANEL FRONT ; MODEL FOR 8220 SERIES	
	67601-605-440	PANEL FRONT ; MODEL FOR 8225 SERIES	
50	67643-605-610	DOOR FRONT ; VK8220	
	67643-605-611	DOOR FRONT ; VX/VI/VB8220	
	67643-604-540	DOOR FRONT ; VX8225	
	67643-604-580	DOOR FRONT ; VI8225	
	67643-604-570	DOOR FRONT ; VD8225	
122	69098-600-735	REGULATOR ASS'Y ; VK/VX8220.8225	
	69098-600-820	REGULATOR ASS'Y ; VX8220M	
	69098-600-737	REGULATOR ASS'Y ; VI8220/8225	
	69098-600-816	REGULATOR ASS'Y ; VX8220E	
	69098-600-842	REGULATOR ASS'Y ; VD8225	
	69098-600-900	REGULATOR ASS'Y ; VB8220A	
130	66620-600-800	FRAME ; MODEL FOR 8220 SERIES	
	66620-600-730	FRAME ; MODEL FOR 8225 SERIES	
131	66612-600-610	BOTTOM COVER ; MODEL FOR 8220 SERIES	
	66612-600-510	BOTTOM COVER ; MODEL FOR 8225 SERIES	
133	66674-600-110	LEG	
134	66462-602-110	CONNECTOR BOARD ; VK8220	
	66462-603-710	CONNECTOR BOARD ; VX/VI8220	
	66462-602-610	CONECTOR BOARD ; VX8220E.VB8220A.VD8225	
	66462-603-110	CONNECTOR BOARD ; VX/VI8225	
135	63344-610-280	HOLDER JACK ;VK-8220.VX/VI-8225	
	63344-610-270	HOLDER JACK ;VX-8220E.VB-8220A	
	63344-610-060	HOLDER JACK ;VD-8225	
136	69857-603-009	ASS'Y MAIN-A ;VK-8220	
	69857-603-060	ASS'Y MAIN-A ;VB-8220A	
	69857-603-040	ASS'Y MAIN-A ;VX-8220/8220M	
	69857-603-090	ASS'Y MAIN-A ;VX-8220E	
	69857-603-030	ASS'Y MAIN-A ;VI-8220	
	69857-603-002	ASS'Y MAIN-A ;VX-8225	
	69857-603-730	ASS'Y MAIN-A ;VI-8225	
	69857-603-050	ASS'Y MAIN-A ;VD-8225	
142	66634-601-210	CLAMPER WIRE	
143	66614-714-310	BRKT GUIDE TOP	
144	66614-611-710	BRKT PRE-AMP	
145	66684-605-110	HINGE MAIN-B	
149	69882-603-050	ASS'Y MAIN-B ;VK-8220	
	69882-603-082	ASS'Y MAIN-B ;VX-8220/8220E/8220M	
	69882-603-067	ASS'Y MAIN-B ;VI-8220.VB-8220A	
	69882-603-094	ASS'Y MAIN-B ;VX-8225	
	69882-603-095	ASS'Y MAIN-B ;VI/VD-8225	
150	69770-603-660	ASS'Y FUNCTION ;MODEL FOR 8220 SERIES	
	69880-603-202	ASS'Y FUNCTION ;MODEL FOR 8225 SERIES	
151	69771-603-650	ASS'Y TIMER ;VK-8220	
	69771-603-671	ASS'Y TIMER ;VX-8220E	
	69871-603-206	ASS'Y TIMER ;VI-8220	
	69881-603-206	ASS'Y TIMER ;VX-8220.VX8220M	
	69881-603-215	ASS'Y TIMER ;VX/VI-8225	
	69881-603-605	ASS'Y TIMER ;VD-8225	
163	66602-601-170	TOP CABINET ;MODEL FOR 8220 SERIES	
	66602-601-040	TOP CABINET ;MODEL FOR 8225 SERIES	
190	67158-240-121	SCREW BH 2-4*12 FE FZY	
191	69000-750-011	ASS'Y SCREW PWH 2-4*12	
193	67158-240-103	SCREW TAP BH	
200	69018-150-150	FULL DECK ASS'Y ;D8-PRICM	
276	69015-122-322	ASS'Y JOINT BOARD	
454	69812-603-030	ASS'Y PRE-AMP	
500	66122-700-502	HOUSING ASS'Y	
906	67098-130-061	SCREW PH +M3*6 FE FZY	

	69015-122-322	DECK-JOINT	
	63954-100-320	CERAMIC-PIPE;PI2.6 5MM WHT	S.N.A
	63005-006-985	PWB DECK JOINT(DUAL);94V0 1.6TX197X198	S.N.A
	67108-330-061	SCREW-PH;M3X6 TAP TITE	
	61048-177-473	R-METAL FILM;RN 1/8TS 47K-J	
	67009-130-051	SCREW-PH;+M3X5 FE FZY	
	66509-400-116	WIRE-SO.COPPER;TA 0.6 SN	S.N.A
	66114-600-310	BRKT-JOINT PCB;SPG T1.2	
	63304-113-621	CONNECTOR-TERMINAL;5033-4T	
	67009-130-051	SCREW-PH;+M3X5 FE FZY	
	63005-006-415	PWB-DECR JOINT(DUAL);940V 1.6X161X63	S.N.A
	66604-623-310	HEAT SINK-A;A20179	
	63054-211-050	WIRE-GND ASSY;1007 #18 170 BLK AY	S.N.A
C281	61419-109-210	C-CERAMIC.HK;CK45 F 50V 0.1M-Z	
C282	61419-109-210	C-CERAMIC.HK;CK45 F 50V 0.1M-Z	
CN204	63349-062-580	CONNECTOR-WAFER;5268-09A	
CN205	63349-062-620	CONNECTOR WAFER;5268-13A	
CN206	63349-062-550	CONNECTOR-WAFER;5268-06A	
CN207	63349-062-520	CONNECTOR-WAFER;5268-03A	

LOCA.NO	PART-NUMBER	DESCRIPTION;SPECIFICATION	REMARK
CN208	63349-062-570	CONNECTOR-WAFER;5268-08A	
CN209	63349-062-530	CONNECTOR-WAFER;5268-04A	
CN210	63349-062-311	CONNECTOR WAFER;5267-02A(BLK)	
CN211	63349-062-310	CONNECTOR-WAFER;5267-02A	
CN214	63349-062-560	CONNECTOR-WAFER;5268-07A	
D281	62169-406-482	DIODE;1N4148 SAMSUNG	
D282	62169-406-482	DIODE;1N4148 SAMSUNG	
IC281	62119-401-300	IC;KA8301(N.M)	
IC282	62119-101-763	IC;TC4081BP	
L281	62427-612-220	COIL-PEAKING;ELM06RA-220J(22UH) TAPG	
Q281	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q282	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q283	62137-103-380	TRANSISTOR;KSA 733-Y TAPG	
Q284	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q285	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q286	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q288	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
R281	61048-177-474	R-METAL FILM;RN 1/8TS 470K-J	
R282	61048-177-391	R-METAL FILM;RN 1/8TS 390-J	
R283	61048-177-472	R-METAL FILM;RN 1/8TS 4.7K-J	
R284	61048-177-683	R-METAL FILM;RN 1/8TS 68K-J	
R285	61048-177-222	R-METAL FILM;RN 1/8TS 2.2K-J	
R286	61049-527-689	R-METAL OXIDE;RS 2P 6.8-J	
R288	61048-177-472	R-METAL FILM;RN 1/8TS 4.7K-J	
R289	61048-177-472	R-METAL FILM;RN 1/8TS 4.7K-J	
R290	61048-177-221	R-METAL FILM;RN 1/8TS 220-J	
R291	61048-177-224	R-METAL FILM;RN 1/8TS 220K-J	
		ASSY FUNCTION	
	69770-603-660	ASSY FUNCTION;VK/VX/VI-8220.VB8220A	
	69880-603-202	ASSY FUNCTION;VX8225.VI8225.VD8225	
	————	USED ONLY FOR VK/VX/VI8220.VB8220A MODEL	
	63349-062-610	CONNECTOR-WAFER;5268-12A	
	67354-701-110	RING POWER;ABS750	
LD801	62309-110-340	LED;GL-3HD7/GL3HD8	
R801	61048-177-271	R-METAL FILM;RN 1/8TS 270-J	
SW801	63599-016-073	SW-TACT;KPT-1108A	
SW802	63599-016-073	SW-TACT;KPT-1108A	
SW803	63599-016-073	SW-TACT;KPT-1108A	
SW804	63599-016-073	SW-TACT;KPT-1108A	
SW805	63599-016-073	SW-TACT;KPT-1108A	
SW806	63599-016-073	SW-TACT;KPT-1108A	
SW807	63599-016-073	SW-TACT;KPT-1108A	
SW808	63599-016-073	SW-TACT;KPT-1108A	
SW809	63599-016-073	SW-TACT;KPT-1108A	
SW810	63599-016-073	SW-TACT;KPT-1108A	
SW811	63599-016-073	SW-TACT;KPT-1108A	
SW812	63599-016-073	SW-TACT;KPT-1108A	
SW814	63599-016-073	SW-TACT;KPT-1108A	
SW815	63599-016-073	SW-TACT;KPT-1108A	
	————	USED ONLY FOR VX/VD/VI-8225 MODEL	
	67654-614-410	RINK POWER;ABS 94HB(PT3212)	
	63349-062-570	CONNECTOR-WAFER;5268-08A	
LD801	62309-110-340	LED;GL-3HD7/GL3HD8	
SW801	63599-016-070	SW-TACT;EVQ-QS2 05K	
SW802	63599-016-070	SW-TACT;EVQ-QS2 05K	
SW803	63599-016-070	SW-TACT;EVQ-QS2 05K	
SW804	63599-016-070	SW-TACT;EVQ-QS2 05K	
SW805	63599-016-070	SW-TACT;EVQ-QS2 05K	
SW806	63599-016-070	SW-TACT;EVQ-QS2 05K	
SW807	63599-016-070	SW-TACT;EVQ-QS2 05K	
		ASSY-TIMER	
	69771-603-650	ASSY-TIMER;VK-8220	
	69881-603-206	ASSY-TIMER;VX-8220/8220M	
	69771-603-671	ASSY-TIMER;VX-8220E.VB-8220A	
	69871-603-206	ASSY-TIMER;VI-8220	
	69881-603-205	ASSY-TIMER;VX/VI-8225	
	69881-603-215	ASSY-TIMER;VD-8225	
	————	TIMER COMMON PARTS	
C701	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-M	
C702	61607-401-440	C-ELECTROLYTIC;CE04W TAPG 16V 22M	
C703	61607-402-250	C-ELECTROLYTIC;CE04W TAPG 50V 10M-M	
D701	62169-406-482	DIODE;1N4148 SAMSUNG	
D702	62169-406-482	DIODE;1N4148 SAMSUNG	
D703	62169-406-482	DIODE;1N4148 SAMSUNG	
D704	62169-406-482	DIODE;1N4148 SAMSUNG	
D705	62169-406-482	DIODE;1N4148 SAMSUNG	
D706	62169-406-482	DIODE;1N4148 SAMSUNG	
D707	62169-406-482	DIODE;1N4148 SAMSUNG	
D709	62169-406-482	DIODE;1N4148 SAMSUNG	

* .S.N.A ;SERVICE NOT AVAILABLE

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6. MECHANICAL/ELECTRICAL REPLACEMENT PARTS LIST

LOCA.NO	PART-NUMBER	DESCRIPTION;SPECIFICATION	REMARK
		TRANSPORT MECHANISM ASSEMBLY	
201	66120-600-290	MECHA CHASSIS ASST;D-6	S.N.A
206	65234-600-420	REEL DISK(R) ASSY;POM+SUS	
207	65234-600-520	REEL DISK(S) ASSY;POM+SUS	
209	66674-617-810	SPRING TENSION;D7-NR2A	
210	65254-608-410	ARM TENSION ASSY;SECC+SUS304	
211	65274-601-310	TENSION BAND ASSY;D7-NR2A	
212	69000-280-142	ASSY P/B LOADING ARM (L);D-6	
213	66613-605-720	POLE BASE L ASSY;ZAMARK2+SUS	
214	65223-700-330	GUIDE ROLLER ASSY;SUS303+POM	
215	69000-280-141	ASSY P/B LOADING ARM (R);D-6	
216	66613-605-820	POLE BASE R ASSY;ZAMARK2+SUS	
217	65254-610-630	REVIEW ARM ASSY;SECC+SUM	
218	67224-602-010	NUT-NYLON;M3X0.5 FE FZY	S.N.A
219	66674-611-810	SPRING REVIEW ARM;SUS304-WPB	
220	69000-280-117	ASSY-HOLDER LED	
221	66604-609-210	HOLDER LED;ABS	
222	62309-112-020	LED-IR;LN59	
223	63053-607-110	LEAD CON. ASSY;1429 #26 BLU 160CN211	S.N.A
225	66674-611-510	SPRING TORSION A/C;SUS304-WPB	
226	67304-600-010	WASHER-PLAIN;SPG	
228	69000-270-033	A/C HEAD ASSY ; G-7	
229	66674-614-710	SPRING ROLLER SUPPEY;D7-NR2A	
230	66614-611-510	HOLDER A/C HEAD;SECC	
231	66674-710-910	SPRING A/C HEAD;SUS WPA	
232	67094-701-410	SCREW-A/C HEAD;SUM32 PI5	
234	64079-503-002	MAGNETIC HEAD F/E;VTR-1X2ERS11-072	
235	65253-602-210	ARM F/E HEAD;D7-NR2A	
236	66674-614-510	SPRING ARM ERASE;D7-NR2A	
237	65224-602-410	BUSH ROLLER SUPPLY;D7-NR2A	S.N.A
238	65164-700-420	FLANGEUPPER;SUS 316 CSP	S.N.A
239	65224-703-220	ROLLER SUPPLY;POM	
240	65224-703-510	INNER-SUPPLY;C3604BD	S.N.A
242	66114-600-310	BRKT JOINT PCB;SPG T1.2	S.N.A
244	66674-613-110	SPRING I.B SLIDE;SUS304-WPB	
246	65264-601-120	PINCH ROLLER ASSY;TCR-65	
247	65253-609-140	PINCH ROLLER ARM ASSY;SECC+SUM+SWP	
248	66674-611-720	SPRING PINCH ARM;SUS 304-WPB	
249	65254-612-910	BRAKE MAIN(R) ASSY;D7-NR2A	
250	65254-613-010	BRAKE MAIN(L) ASSY;D7-NR2A	
251	66674-611-910	SPRING MAIN BRAKE;SUS304-WPB	
252	65254-606-720	BRAKE SUB(R) ASSY;DURANEX+SUS 420J2	
254	65253-604-010	SUB BRAKE L ASSY;POM+SUS	
255	66674-612-110	SPRING SUB BRAKE(L);SUS304-WPB	
265	66604-623-420	HEAT SINK B;A20179 FLAT	
278	69015-122-322	ASSY-JOINT BOARD;VB-750A	
283	67224-602-210	CAM ADJUST;ALLOY 5	
284	66674-624-610	SPRING-ADJUST;SUS304-WPB	
295	66464-601-100	BRAKE WEAK(T);M90-44(WHT)	
296	66674-625-000	SPRING BRAKE WEAK(T);SUS 304 WPB	
402	66604-624-920	HOLDER TR ASSY;A20179+SUS304	
404	64769-852-057	MOTOR DRUM;VDB1215AL	
420	66154-600-320	COVER UPPER DRUM;A1050P T0.5	
450	69018-123-320	DRUM ASSY;G8-PR1A	
451	69000-370-043	ASSY BASE DRUM;R7NR2B	
452	69000-370-093	LOWER DRUM ASS'Y;G8-PR1A	
453	69000-370-092	UPPER DRUM ASS'Y;G8-PR1A	
903	67008-130-061	SCREW-PH;+M3X8 FE FZY	
904	67068-820-033	SET SCREW;M2X3 FE FZB	
906	67008-130-061	SCREW-PH;+M3X6 FE FZY	
907	67004-100-710	SCREW-PH;+M3X4 FE FZY	
911	67009-130-051	SCREW-PH;+M3X5 FE FZY	
912	67008-126-061	SCREW-PH;+M2.6X8 FE FZY	
913	67008-123-181	SCREW-PH;+M2.3X18 FE FZY	
914	67094-700-710	SCREW-PWH;+M3X6 FE FZY	
915	67004-100-810	SCREW-PH;M2.6X4 FE FZY	
917	67094-700-620	SCREW-BH;+M3X7.5 BSW3 WP NI	
921	67108-330-061	SCREW-PH;M3X6 TAP TITE	
923	67094-700-720	SCREW-PWH;2-3X8 FE FZY	
952	67304-103-410	WASHER-PLAIN;3.2X6X0.5 POLYSLIDER	
953	67304-103-430	WASHER-PLAIN;3.2X6X0.13 POLY SLIDE	
954	67304-600-410	WASHER-PLAIN;PI3.1*PI8*T0.5	
957	67334-600-310	SLIT WASHER;PI2.5XPI5.2XT0.5	
958	67334-600-410	SLIT WASHER;PI3.2XPI6XT0.5	
960	67334-600-320	SLIT WASHER;02.5*09*0.5	
964	67304-103-420	WASHER-PLAIN;3.2X6X0.25 POLY SLIDER	
971	67358-103-006	RING-E;PI3 STSC304-CSP	
		BOTTOM SIDE MECHANISM	
202	66114-600-010	BRKT A;SECCE 20/20	
203	66114-600-110	BRKT B;SECCE 20/20	
204	66114-600-420	BRKT BACK;SECC T1.6	
208	66604-626-310	HEAD BRUSH ASSY(G8);B.B+DAMPER+P.B	
256	69000-270-086	ASSY GEAR LOADING L;D7-NR2A	
260	69000-270-087	ASSY GEAR LOADING R;D7-NR2A	
263	66052-600-310	IDLER CLUTCH ASSY;D7-NR2A	
269	64769-160-161	MOTOR CAPSTAN;VFC 1510 CL	

LOCA.NO	PART-NUMBER	DESCRIPTION;SPECIFICATION	REMARK
270	66614-614-610	BRKT -PHOTO IN;SECC 1.6T	
272	65274-600-720	IDLER BELT;CR-65	
273	65253-602-010	PLATE MAIN SLIDE;SECCE 20/20	
274	65253-602-140	I.B SLIDE ASSY;SECC+SUM+SUS	
275	66834-602-510	SLIDE STOPPER;CY-65	
276	66674-613-110	SPRING I.B SLIDE;SUS304-WPB	
277	65292-600-310	LOADING MOTOR ASS'Y;D7-NR2A	
	63599-016-069	MODE SWITCH ;G-7 ALPS(NA)	
	64769-052-140	MOTOR LOADING;RF-370C-15370	
	65203-601-270	GEER WORM IDLER;POM(WHT)	
	65204-604-110	LEVEL TENSION;SECC	
	65204-604-310	WORM LOADING ASS'Y;POM	
	65214-601-410	POLLEY MOTOR;POM(WHT)	
	65214-601-610	POLLEY LOADING;POM	
	65242-600-100	CAM MASTER;POM	
	65274-601-110	BELT LOADING;CR WRT	
	65274-601-210	BELT RELEASE;CR WRT	
	65293-600-013	LEVEL PINCH CAM;SECC	
	65293-600-110	HOLDER WORM;POM	
	66674-614-410	S/P RELEASE;SUS304	
	66674-614-610	SPRING S/W SLIDE;SUS304	
	66674-615-910	SPRING LOADING;SUS 304	
280	66824-600-610	TIE BAND;NYLON 616.100	S.N.A
281	69000-270-109	ASSY PHOTO INTERRUPTER ; G-6 MLA	
282	63053-607-161	LEAD CON. ASSY;1429 #26 RED 210 CN207	S.N.A
285	63053-607-151	LEAD CON. ASSY;14229#26 WHT 320CN209	S.N.A
286	63053-607-132	LEAD CON. ASSY;1429 #26 BLU 380 CN210	S.N.A
905	67008-130-171	SCREW-PH;M3*3 FE FZY	
906	67008-130-061	SCREW-PH;+M3X6 FE FZY	
907	67004-100-710	SCREW-PH;+M3X4 FE FZY	
953	67304-103-430	WASHER-PLAIN;3.2X6X0.13 POLY SLIDE	
955	67304-700-610	WASHER PLAIN;4.2X8X0.5 POLY SLIDE	
956	66864-600-410	WASHER-DUST;6X0.5 POLY AMID	
973	67358-102-506	RING-E;PI2.5 STSC304-CSP	
Q005	62309-110-243	PHOTO-INTERRUPTER;NJL5141EA	
501		HOUSING ASSEMBLY	
501	66122-700-502	HOUSING ASSEMBLY	
503	66022 600 320	SIDE CHASSIS(R);ANS G20	S.N.A
504	66122-601-210	SIDE CHASSIS(L);ABS BLK	S.N.A
505	66463 601 210	CASSETTE-GUIDE;ABS(BLK)	S.N.A
506	65104 612 010	RELAY SHAFT;SUM-2	S.N.A
507	65204 603 010	RELAY GUIDE(R);CURACON(M90-44)	S.N.A
508	65204 603 120	RELAY GEAR(L);DURACON(M90-44)	S.N.A
509	65254 609 510	MASK CAM LEVER;DURACON(M90-44)	S.N.A
510	69000 470 110	ASS'Y CASSETTE HOLDER ;F/L SYSTEM(G7)	
511	66132 600 110	CASSETTE HOLDER;SECC-E20/20 T1.2	
512	66054 604 310	KEY-CASSETTE;DUDRACON+SUS 304 T0.5	
513	66674 612 610	CASSETTE HOLDER SPR;SVS 304 T0.15	
514	65104-612-110	HOLDER SHAFT(R);SUM-2(H)	
515	65104-612-210	HOLDER SHAFT(L);SUM-2(H)	
516	65104-612-310	GUIDE PIN(R);SUM-2(H)	
517	65104-612-410	GUIDE PIN(L);SUM-2(H)	
518	65104-612-510	VERTICAL GUIDE PIN;SUM-2(H)	
519	66152 600 110	UPPER CHASSIS;SEC-E 20/20 1.0	
520	66674 606 110	GROUND-PLATE TOP;PBSP T0.15	
521	65202 600 220	SIDE ARM(R);DURACON(M90-44)	
522	66674 616 410	ARM TORSION SPRING R;SWP-B P1.0	
523	65202 600 320	SIDE ARM(L);DURACON(M90-44)	
524	66674 616 310	ARM TORSION SPRING L;SWP-B P1.0	
525	65203 603 730	ARM GEAR;ESLON PBT(ES630S)	
526	66664 605 510	ARM GEAR PIN;SUS 420 J2-6	
527	66674 616 610	EJECT SPRING;SWP-B	
528	65203 602 210	WORM GEAR HOUSING;DURACON	
529	65203-600-910	TIMING GEAR;DURACON(M90-44)	
530	66253-602-310	BRKT HOUSING;SPG T1.0	S.N.A
531	66463 601 310	LID OPENER;DURACON(M90-44)	
532	66674 616 510	LID OPENER SPRING;SWP-B P10.5	
533	67642-602-315	FRONT MASK ;VK-6220	
	67642-601-117	FRONT MASK ;VX/VI-6220,VX-6220M,VX-6220	
	67642-602-338	FRONT MASK ;VX/VI/VD-6225	
534	66674 602 810	MASK-SPRING;SUS 304	
535	63569 700 210	REC SAFETY-S/W;MSW-1465 NBKU	
536	63569 700 325	CASSETTE-S/W;MSW-1429CA(0.15T)	
541	63005 006 455	PWB-SENSOR(E);94V0 1.6TX20.5X25(G06)	S.N.A
545	63005 005 032	PWB-SENSOR(S);94V0 1.6TX45X35(G-7)	S.N.A
548	69000-470-310	ASSY-TAKE UP END SENSOR;F/L SYSTEM	
908	67004-101-415	SCREW-BH;M3*5 FE FZY	
909	67154 101 420	SCREW TAP PWH;2S-M3X4.5 FE FZY	
910	67108 600 010	SCREW TAP BH;2S-M3X5 FE FZY	
Q001	62139 701 020	TRANSISTOR;KSR2001	
Q002	62139 701 020	TRANSISTOR;KSR2001	
Q003	62139 401 055	TR-PHOTO;PN202S(R)	
Q004	62139 401 055	TR-PHOTO;PN202S(R)	
547	69000 470 410	ASS'Y-SUPPLY END SENSOR;F/L SYSTEM	

* S.N.A :SERVICE NOT AVAILABLE.

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LOCA.NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK
IC701	62109-502-010	IC:MSC 1165RS	
Q701	62137-701-013	TRANSISTOR:KSR 1004 TAPG	
R701	61048-177-473	R-METAL FILM:RM 1/8TS 47K-J	
R702	61048-177-473	R-METAL FILM:RM 1/8TS 47K-J	
R703	61048-177-473	R-METAL FILM:RM 1/8TS 47K-J	
R704	61048-177-473	R-METAL FILM:RM 1/8TS 47K-J	
R705	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R706	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R707	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R708	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R709	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R710	61048-177-271	R-METAL FILM:RM 1/8TS 270-J	
R711	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
RM701	64529-312-010	REMOCON MODULE:SV-06A	
SW701	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW703	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW704	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW705	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW707	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW708	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW709	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW712	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW713	63599-016-070	SW-TACT:EVQ-QS2 05K	
	————	USED ONLY FOR VK-8220 MODEL	
	62319-013-044	DIGITRON:6-MT-86GK	
	66603-607-110	HOLDER TIMER:ABS T10(VX-710)	
	63005-006-877	PWB F/TIMER:IV0 1.6 X 247 X 147 VK8220	S.N.A
	63349-062-610	CONNECTOR-WAFER:5268-12A	
CN701	63053-607-580	LEAD CONN ASSY:1429 #26 BLK 120 CN701	
CN703	63053-607-540	LEAD-CONN ASSY:1429 #26 BLK 210 CN702	
CN704	63053-609-350	LEAD-CONN ASSY:1429 #26 BLK 290 CN104	
CN705	63053-609-350	LEAD-CONN ASSY:1429 #26 BLK 290 CN104	
D708	62169-406-482	DIODE:1N4148 SAMSUNG	
SW702	63599-016-073	SW-TACT:KPT-1108A	
SW706	63599-016-073	SW-TACT:KPT-1108A	
SW711	63599-016-073	SW-TACT:KPT-1108A	
SW715	63519-102-071	SW-SLIDE:KSA 2340A/T0023002-3	
SW716	63519-102-071	SW-SLIDE:KSA 2340A/T0023002-3	
SW717	63519-102-072	SW-SLIDE:KSA 2240A/T0023002-2	
VR701	61203-107-110	VR ROUND:RK09K1130/RH01 02SQ-20KB(20MM)	
VR702	61203-107-120	VR ROUND:RK09K1130/RH01 02SQ-500KB(20MM)	
VR703	61243-103-020	VR-SEMI:SR 19D-47KB	
	————	USED ONLY FOR VX-8220/8220M MODEL	
	62319-013-044	DIGITRON:6-MT-86GK	
	66603-607-110	HOLDER TIMER:ABS T10(VX-710)	
	63005-006-877	PWB F/TIMER:IV0 1.6 X 247 X 147 VK8220	S.N.A
	63349-062-610	CONNECTOR-WAFER:5268-12A	
CN701	63053-607-580	LEAD CONN ASSY:1429 #26 BLK 120 CN701	
CN703	63053-607-540	LEAD-CONN ASSY:1429 #26 BLK 210 CN702	
D708	62169-406-482	DIODE:1N4148 SAMSUNG	
SW702	63599-016-073	SW-TACT:KPT-1108A	
SW715	63519-102-071	SW-SLIDE:KSA 2340A/T0023002-3	
VR701	61203-107-110	VR ROUND:RK09K1130/RH01 02SQ-20KB(20MM)	
VR702	61203-107-120	VR ROUND:RK09K1130/RH01 02SQ-500KB(20MM)	
VR703	61243-103-020	VR-SEMI:SR 19D-47KB	
	————	USED ONLY FOR VX-8220E,VB-8220A MODEL	
	62319-013-044	DIGITRON:6-MT-86GK	
	66603-607-110	HOLDER TIMER:ABS T10(VX-710)	
	63005-006-877	PWB F/TIMER:IV0 1.6 X 247 X 147 VK8220	S.N.A
	63349-062-610	CONNECTOR-WAFER:5268-12A	
CN701	63053-607-580	LEAD CONN ASSY:1429 #26 BLK 120 CN701	
CN703	63053-607-540	LEAD-CONN ASSY:1429 #26 BLK 210 CN702	
D708	62169-406-482	DIODE:1N4148 SAMSUNG	
SW702	63599-016-073	SW-TACT:KPT-1108A	
SW706	63599-016-073	SW-TACT:KPT-1108A	
SW715	63519-102-072	SW-SLIDE:KSA 2240A/T0023002-2	
VR701	61203-107-110	VR ROUND:RK09K1130/RH01 02SQ-20KB(20MM)	
VR702	61203-107-120	VR ROUND:RK09K1130/RH01 02SQ-500KB(20MM)	
VR703	61243-103-020	VR-SEMI:SR 19D-47KB	
	————	USED ONLY FOR VI-8220 MODEL	
	62319-013-044	DIGITRON:6-MT-86GK	
	66603-607-110	HOLDER TIMER:ABS T10(VX-710)	
	63005-006-877	PWB F/TIMER:IV0 1.6 X 247 X 147 VK8220	S.N.A
	63349-062-610	CONNECTOR-WAFER:5268-12A	
CN701	63053-607-580	LEAD CONN ASSY:1429 #26 BLK 120 CN701	
CN702	63053-607-660	LEAD-CONN ASSY:1429 #26 BLK 230 CN701	
D708	62169-406-482	DIODE:1N4148 SAMSUNG	
SW702	63599-016-073	SW-TACT:KPT-1108A	
VR701	61203-107-110	VR ROUND:RK09K1130/RH01 02SQ-20KB(20MM)	
VR702	61203-107-120	VR ROUND:RK09K1130/RH01 02SQ-500KB(20MM)	
VR703	61243-103-020	VR-SEMI:SR 19D-47KB	

LOCA.NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK
	————	USED ONLY FOR VX/VI-8225 MODEL	
	62319-013-049	DIGITRON:8MT 22GYK	
	63005-006-818	PWB-F/T:IV1 1.6X215.95X121(VX-8225)	S.N.A
	66603-607-000	HOLDER TIMER:ABS 94HB	
CN-V1	63349-062-320	CONNECTOR-WAFER:5267-03A	
CN701	63053-607-520	LEAD-CONN ASSY:1429 #26 BLK 120CN703	
CN702	63053-607-600	LEAD CONN ASSY:1429 #26 BLK 180 CN701	
CN703	63053-607-660	LEAD CONN ASSY:1429 #26 WHT 230 CN701	
R712	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R714	61048-177-100	R-METAL FILM:RM 1/8TS 10-J	
R715	61048-177-100	R-METAL FILM:RM 1/8TS 10-J	
SW706	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW710	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW711	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW714	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW715	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW716	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW717	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW718	63519-102-071	SW-SLIDE:KSA 2340A/T0023002-3	
VR-V1	61203-107-500	VR-ROUND:RK09K 1110-50KB(20MM)	
VR701	61203-107-080	VR-ROUND:RK09K1130-500KB(17.5)	
VR702	61203-107-070	VR-ROUND:RK09K1130-20KB(17.5)	
	————	USED ONLY FOR VD-8225 MODEL	
SW702	63599-016-070	SW-TACT:EVQ-QS2 05K	
	62319-013-049	DIGITRON:8MT 22GYK	
	63005-006-818	PWB-F/T:IV1 1.6X215.95X121(VX-8225)	S.N.A
	66603-607-000	HOLDER TIMER:ABS 94HB	
CN-V1	63349-062-320	CONNECTOR-WAFER:5267-03A	
CN701	63053-607-520	LEAD-CONN ASSY:1429 #26 BLK 120CN703	
CN702	63053-607-600	LEAD CONN ASSY:1429 #26 BLK 180 CN701	
CN703	63053-607-660	LEAD CONN ASSY:1429 #26 WHT 230 CN701	
R712	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R714	61048-177-100	R-METAL FILM:RM 1/8TS 10-J	
R715	61048-177-100	R-METAL FILM:RM 1/8TS 10-J	
SW706	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW710	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW711	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW714	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW715	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW716	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW717	63599-016-070	SW-TACT:EVQ-QS2 05K	
SW718	63519-102-071	SW-SLIDE:KSA 2340A/T0023002-3	
VR-V1	61203-107-500	VR-ROUND:RK09K 1110-50KB(20MM)	
VR701	61203-107-080	VR-ROUND:RK09K1130-500KB(17.5)	
VR702	61203-107-070	VR-ROUND:RK09K1130-20KB(17.5)	
122		ASSY-REGULATOR	
	69098-600-735	RGULATOR ASS'Y :VK/VX8220.8225	
	69098-600-820	RGULATOR ASS'Y :VX-8220M	
	69098-600-737	RGULATOR ASS'Y :VI8220/8225	
	69098-600-818	RGULATOR ASS'Y :VX-8220E	
	69098-600-842	RGULATOR ASS'Y :VD8225	
	69098-600-900	RGULATOR ASS'Y :VB8220A	
	————	REGULATOR COMMON PARTS	
	60659-431-573	TAP STUE:SPC T0.5	
	63054-220-470	GND WIRE:11/0.16 330V 180AY	S.N.A
	60659-431-575	COVER CAPACITOR:PET T1.0	
	63005-006-443	PWB:XPC-FR-2(G-7) PAL NEW	S.N.A
	60649-100-100	BELT:FREE UP BELT	
	63354-600-020	CONNECTOR ASSY:G-7 PAL	
	60659-431-576	FUSE COVER:PET T1.0	
	60659-431-573	TAP STUE:SPC T0.5	
	60659-431-574	AC IN COVER:PET T1.0	
C101	61409-601-320	CAPACITOR(C.A):ECK-DNS 472ME	
C102	61609-144-332	C-ELECTROLYTIC:35V 3300M(CASE VENT)	
C103	61609-141-475	C-ELECTROLYTIC:CE04W 16V 4700M	
C104	61609-141-350	C-ELECTROLYTIC:CE04W 35V 1000M	
C105	61609-124-471	C-ELECTROLYTIC:100V 47M	
C106	61609-124-471	C-ELECTROLYTIC:100V 47M	
C107	61609-124-471	C-ELECTROLYTIC:100V 47M	
C108	61607-401-430	C-ELECTROLYTIC:CE04W TAPG 25V 10M	
C110	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C111	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C112	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C113	61607-401-479	C-ELECTROLYTIC:CE04W TAPG 16V 47M	
C114	61607-401-680	C-ELECTROLYTIC:CE04W TAPG 25V 100M	
C115	61607-401-479	C-ELECTROLYTIC:CE04W TAPG 16V 47M	
C116	61607-122-471	C-ELECTROLYTIC:CE04W TAPG 25V 47M	
C117	61609-124-471	C-ELECTROLYTIC:100V 47M	
CN101	63349-062-410	CONNECTOR-WAFER:5267-12A	
D101	62169-403-650	DIODE(B.D):RBV 402(SAN KEN)	
D102	62169-201-060	DIODE:1N4002	
D103	62169-406-482	DIODE:1N4148 SAMSUNG	
D104	62169-201-060	DIODE:1N4002	
F101	64709-084-772	FUSE:5X20 T500MA 250V	

*.S.N.A : SERVICE NOT AVAILABLE.

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LOCA.NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK
F102	64709-084-771	FUSE;5X20 T2.5A 250V	
F103	64709-084-812	FUSE;5X20 T800MA 250V	
FR101	61099-605-120	FUSIBLE RESISTOR;FR 1/2 1.2-J	
FR102	61099-605-220	R-FUSIBLE;1/4W 22N-J	
IC101	62119-101-430	I.C;STK 5333(KTS)	
IC102	62109-201-282	IC;MC7812(SST)	
LF101	62429-014-115	LINE-FILTER;HL38	
Q101	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q102	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q103	62137-701-012	TRANSISTOR;KSR 1003 TAPG	
R101	61048-227-223	R-METAL FILM;RM 1/4P 22K-J	
R102	61049-427-681	R-MATAL OXIDE;RS1P 680-J	
R103	61049-427-121	R-MATAL OXIDE;RS1P 1.2K-J	
R104	61049-427-681	R-MATAL OXIDE;RS1P 680-J	
R105	61048-327-152	R-MATAL OXIDE;RS 1/2P 1.5K-J	
R106	61048-227-681	R-METAL FILM;RM 1/4P 680-J	
R108	61048-227-272	R-METAL FILM;RM 1/4P 2.7K-J	
R109	61048-227-472	R-METAL FILM;RM 1/4P 4.7K-J	
R110	61048-227-223	R-METAL FILM;RM 1/4P 22K-J	
R111	61048-177-121	R-METAL FILM;RM 1/8TS 120-J	
R112	61048-177-121	R-METAL FILM;RM 1/8TS 120-J	
R12	61048-227-561	R-METAL FILM;RM 1/4P 560-J	
ZD101	62169-403-860	DIODE-ZENER;EQA02-23A(FUJI)	
ZD102	62169-403-870	DIODE-ZENER;EQA02-07A(FUJI)	
	64709-084-773	FUSE CLIP;RBP 4-1 1/2H SV9500	
	64709-084-773	FUSE CLIP;RBP 4-1 1/2H SV9500	
	64709-084-773	FUSE CLIP;RBP 4-1 1/2H SV9500	
	64709-084-773	FUSE CLIP;RBP 4-1 1/2H SV9500	
	64709-084-773	FUSE CLIP;RBP 4-1 1/2H SV9500	
	64709-084-773	FUSE CLIP;RBP 4-1 1/2H SV9500	
	65684-602-810	HEAT-SINK;A1050P-H14 T:1.6	
	66613-609-810	BRKT-HEAT SINK;A1050P-H14 T:2	
	67154-600-620	SCREW TAP;WASHER 2S 3X15 ZN-Y	
	67154-600-620	SCREW TAP;WASHER 2S 3X15 ZN-Y	
	67154-600-630	SCREW TAP;WASHER 2S 3X8 CUTZN-Y	
	67154-600-640	SCREW TAP;WASHER 2S 3X10 ZN-Y	
	67154-600-650	SCREW TAP;RH 2S 4X8 CUT ZN-Y	
	67154-600-650	SCREW TAP;RH 2S 4X8 CUT ZN-Y	
	————	USED ONLY FOR VK-8220 MODEL	
	62869-190-222	POWER-TRANS;EI 150X30 220V(5.1)	
	63054-801-150	POWER CORD;AC NON-UL STOPPER CP-2	
	————	USED ONLY FOR VX8220/8220M MODEL	
	62869-190-222	POWER-TRANS;EI 150*30 220V(5.1)	
	63054-801-150	POWER CORD;AC NON-UL STOPPER CP-2	
	————	USED ONLY FOR VX8220E/VB8220A MODEL	
	62869-190-224	POWER-TRANS;EI 150*30 230V(5.1)	
	63054-801-150	POWER CORD;AC NON-UL STOPPER CP-2	
	————	USED ONLY FOR VI8220/8225 MODEL	
	62869-190-204	POWER-TRANS;60*30 240V 50HZ	
	63053-811-097	POWER CORD;GT82F 6.5FT(AC)	
	————	USED ONLY FOR VX/8225 MODEL	
	62869-190-222	POWER TRANS;EI 150*30 220V(5.1)	
	63054-801-150	POWER CORD;AC NON-UL STOPPER CP-2	
	————	USED ONLY FOR VD8225 MODEL	
	62869-190-222	POWER TRANS;EI 150*30 220V(5.1)	
	63054-801-150	POWER CORD;AC NON-UL STOPPER CP-2	
		REMOCON PART	
	69099-608-106	ASS'Y REMOCON;VK/VX/VI8220.VX/VI8225	
	66152-601-290	KEY REMOCON(B);SILICON RUBBER(VX-8220)	S.N.A
	66152-601-110	COVER BOTTOM REMOCON;ABS 94HB	S.N.A
	66151-601-410	COVER TOP REMOCON;ABS 94HB	S.N.A
	67644-600-610	DOOR BATTCRY;ABS 94HB	S.N.A
	63005-806-986	PWB-REMOCON;NEW VK-8220	S.N.A
	66674-625-710	SPRING A2;PBR 2-1/4 T0.5	S.N.A
	66674-625-610	SPRING A1;PBR 2-1/4 T0.5	S.N.A
	66673-600-710	GUIDER LCD;ABS 94HB	S.N.A
	66673-600-510	SPRING (B) REMOCON;SUS 304 T0.4	S.N.A
	66154-601-010	KEY REMOCON(A);SILICON RUBBER	S.N.A
	67654-618-110	WINDOW REMOCON;ACRYL VIOLET	S.N.A
	67614-609-060	INLAY COVER REMOCON;PVC T0.5(VX8220)	S.N.A
C901	61407-117-120	C-CERAMIC.AXIAL;TAPG SL 50V 12-J	
C902	61407-117-120	C-CERAMIC.AXIAL;TAPG SL 50V 12-J	
C903	61409-101-440	C-CERAMIC.TEMP;CC45 SL 50V 220-J	
C904	61409-101-440	C-CERAMIC.TEMP;CC45 SL 50V 220-J	
C905	61609-402-100	C-ELECTROLYTIC;CE04W 50V 1M(SE)	

LOCA.NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK
D901	62169-406-482	DIODE;1N4148 SAMSUNG	
IC901	62119-103-524	IC;M50930-127FP	
IR901	62309-112-036	LED-IR;CL2	
IR902	62309-112-036	LED-IR;CL2	
LCD901	62309-110-351	LCD;HDL 7198	
Q901	62139-103-381	TRANSISTOR;KSA733-Y SAMSUNG	
Q902	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
R901	61048-177-221	R-METAL FILM;RM 1/8TS 220-J	
R902	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R903	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R904	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R905	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R906	61048-177-153	R-METAL FILM;RM 1/8TS 15K-J	
R907	61048-177-100	R-METAL FILM;RM 1/8TS 10-J	
R908	61048-177-271	R-METAL FILM;RM 1/8TS 270-J	
R909	61048-177-183	R-METAL FILM;RM 1/8TS 18K-J	
R910	61048-177-107	R-METAL FILM;RM 1/8TS 10M-J	
R911	61048-177-104	R-METAL FILM;RM 1/8TS 100K-J	
R912	61048-177-105	R-METAL FILM;RM 1/8TS 1M-J	
R913	61048-177-104	R-METAL FILM;RM 1/8TS 100K-J	
R914	61048-177-100	R-METAL FILM;RM 1/8TS 10-J	
R915	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R916	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
XT901	64539-021-010	CRYSTAL;P-3(32.768KHZ)	
XT902	64539-102-330	CERAMIC RESONATOR;CSB1216J	
	69099-608-110	ASS'Y REMOCON;VB-8220A.VX-8220E,VD-8225	
	66151-601-410	COVER TOP REMOCON;ABS 94HB	S.N.A
	63005-806-986	PWB-REMOCON;NEW VK-8220	S.N.A
	68623-600-510	BOX REMOCON;ART PAPER(PR845)	S.N.A
	66152-601-110	COVER BOTTOM REMOCON;ABS 94HB	S.N.A
	66152-601-210	KEY REMOCON(B);SILICON RUBBER(VB-8220A)	S.N.A
	67614-609-010	INLAY REMOCON(B);PVC T0.5(VB-8220A)	S.N.A
	66674-625-710	SPRING A2;PBR 2-1/4 T0.5	S.N.A
	66674-625-610	SPRING A1;PBR 2-1/4 T0.5	S.N.A
	66673-600-710	GUIDER LCD;ABS 94HB	S.N.A
	66673-600-510	SPRING (B) REMOCON;SUS 304 T0.4	S.N.A
	67654-618-110	WINDOW REMOCON;ACRYL VIOLET	S.N.A
	67644-600-610	DOOR BATTCRY;ABS 94HB	S.N.A
	66154-601-010	KEY REMOCON(A);SILICON RUBBER	S.N.A
C901	61407-117-120	C-CERAMIC.AXIAL;TAPG SL 50V 12-J	
C902	61407-117-120	C-CERAMIC.AXIAL;TAPG SL 50V 12-J	
C903	61409-101-440	C-CERAMIC.TEMP;CC45 SL 50V 220-J	
C904	61409-101-440	C-CERAMIC.TEMP;CC45 SL 50V 220-J	
C905	61609-402-100	C-ELECTROLYTIC;CE04W 50V 1M(SE)	
XT901	64539-021-010	CRYSTAL;P-3(32.768KHZ)	
XT902	64539-102-330	CERAMIC RESONATOR;CSB1216J	

*.S.N.A : SERVICE NOT AVAILABLE.

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LOCA.NO	PART-NUMBER	DESCRIPTION;SPECIFICATION	REMARK
149		ASSY MAIN B	
	69802-603-058	ASSY MAIN B: VK-8220	
	69802-603-082	ASSY MAIN B: VX-8220/8220M/8220E	
	69802-603-087	ASSY MAIN B: VI-8220,VB-8220A	
	69802-603-094	ASSY MAIN B: VX-8225	
	69802-603-095	ASSY MAIN B: VI/VD-8225	
	AUDIO PARTS	: AUDIO COMMON PARTS	
C0501	61507-121-511	C-POLTESTER;CQ921M TAPG 100V 0.022M-J	
C0503	61507-121-370	C-POLYESTER;CQ921M TAPG 100V 0.0018M-K	
C0504	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0505	61507-121-470	C-POLYESTER;CQ921M TAPG 100V 0.01M-K	
C0506	61607-401-450	C-ELECTROLYTIC;CE04W TAPG 16V 33M	
C0508	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0509	61607-401-436	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C0510	61507-121-470	C-POLYESTER;CQ921M TAPG 100V 0.01M-K	
C0511	61507-121-431	C-POLYESTER;CQ921M TAPG 50V 0.0047M-J	
C0512	61507-121-481	C-POLTESTER;CQ921M TAPG 50V 0.015M-J	
C0513	61507-121-470	C-POLYESTER;CQ921M TAPG 100V 0.01M-K	
C0515	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0516	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C0518	61607-401-471	C-ELECTROLYTIC;CE04W TAPG 16V 100M(SG)	
C0519	61507-121-451	C-POLYESTER;CQ921M TAPG 100V 0.0068M-J	
C0520	61507-121-431	C-POLYESTER;CQ921M TAPG 50V 0.0047M-J	
C0521	61509-339-010	C-POLYESTER;MDX 100V 473K	
C0522	61407-101-490	C-CERAMIC.TEMP;CC45 SL TAPG 50V 390-J	
C0523	61507-121-340	C-POLYESTER;CQ921M TAPG 100V 0.001M-K	
C0524	61607-401-630	C-ELECTROLYTIC;CE04W TAPG 35V 4.7M	
C0525	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
IC0501	62119-103-653	IC;LA7297	
J1	63054-222-060	WIRE-JUMPER(R-WRAP);1007 #26-SOLD WHT 60	S.N.A
L0501	62429-010-280	COIL-PEAKING;BOAM-22MH	
L0502	62427-813-153	COIL-PEAKING;EL0607RA-153J(15MH) TAPG	
L0503	62427-812-101	COIL-PEAKING;EL0606RA-101J(100UH) TAPG	
L0504	62429-014-099	COIL-BIAS OSC;12ROWT SHIELD CAP	
Q0501	62149-301-431	TRANSISTOR;KSC1008-Y SAMSUNG	
R0501	61048-177-473	R-METAL FILM;RM 1/8TS 47K-J	
R0502	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R0503	61048-177-334	R-METAL FILM;RM 1/8TS 330K-J	
R0504	61048-177-121	R-METAL FILM;RM 1/8TS 120-J	
R0506	61048-177-332	R-METAL FILM;RM 1/8TS 3.3K-J	
R0507	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R0508	61048-177-475	R-METAL FILM;RM 1/8TS 4.7M-J	
R0509	61048-177-822	R-METAL FILM;RM 1/8TS 8.2K-J	
R0510	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R0511	61048-177-821	R-METAL FILM;RM 1/8TS 820-J	
R0512	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R0513	61048-177-332	R-METAL FILM;RM 1/8TS 3.3K-J	
R0514	61048-177-471	R-METAL FILM;RM 1/8TS 470-J	
R0516	61048-177-283	R-METAL FILM;RM 1/8TS 28K-J	
R0517	61048-177-153	R-METAL FILM;RM 1/8TS 15K-J	
R0518	61048-177-470	R-METAL FILM;RM 1/8TS 47-J	
R0519	61048-177-229	R-METAL FILM;RM 1/8TS 2.2-J	
R0520	61048-177-224	R-METAL FILM;RM 1/8TS 220K-J	
VR0501	61246-105-103	VR-SEMI;RH0615C 10KB	
VR0502	61246-105-104	VR-SEMI;RH0615C 100KB	
	VIDEO PARTS	: USED ONLY FOR VK-8220 MODEL	
	63005-006-696	PWB MAIN(B);94V0 1.6X156X247(VK8220)	S.N.A
	63054-211-090	WIRE-GND ASSY;1007 #18 190 BLK AA	S.N.A
	63054-211-180	WIRE-GND ASSY;1007 #18 270 BLK AA	S.N.A
	63054-211-188	WIRE-GND ASSY;1007 #18 270 BLK AA	S.N.A
C0301	61409-101-070	C-CERAMIC.TEMP;CC45 SL 50V 5-D	
C0302	61407-101-490	C-CERAMIC.TEMP;CC45 SL TAPG 50V 390-J	
C0303	61407-101-240	C-CERAMIC.TEMP;CC45 SL TAPG 50V 33-J	
C0304	61407-105-250	C-CERAMIC.TEMP;CC45 CH TAPG 50V 39-J	
C0305	61607-402-200	C-ELECTROLYTIC;CE04W TAPG 50V 0.47M	
C0306	61607-402-220	C-ELECTROLYTIC;CE04W TAPG 50V 2.2M	
C0307	61407-101-440	C-CERAMIC.TEMP;CC45 SL TAPG 50V 220-J	
C0308	61409-101-270	C-CERAMIC.TEMP;CC45 SL 50V 47-J	
C0309	61607-402-230	C-ELECTROLYTIC;CE04W TAPG 50V 3.3M	
C0310	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0311	61407-101-240	C-CERAMIC.TEMP;CC45 SL TAPG 50V 33-J	
C0312	61407-101-380	C-CERAMIC.TEMP;CC45 SL TAPG 50V 120-J	
C0313	61407-105-280	C-CERAMIC.TEMP;CC45 CH TAPG 50V 56-J	
C0315	61407-101-200	C-CERAMIC.TEMP;CC45 SL TAPG 50V 22-J	
C0316	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
C0317	61507-121-571	C-POLYESTER;CQ921M TAPG 100V 0.068M-J	
C0318	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0319	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0320	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C0321	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0323	61607-401-471	C-ELECTROLYTIC;CE04W TAPG 16V 100M(SG)	
C0325	61607-401-440	C-ELECTROLYTIC;CE04W TAPG 16V 22M	
C0326	61607-402-200	C-ELECTROLYTIC;CE04W TAPG 50V 0.47M	
C0327	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C0328	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	

LOCA.NO	PART-NUMBER	DESCRIPTION;SPECIFICATION	REMARK
C0329	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0330	61407-101-380	C-CERAMIC.TEMP;CC45 SL TAPG 50V 120-J	
C0331	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
C0332	61407-105-860	C-CERAMIC.TEMP;CC45 CH TAPG 50V 10-D	
C0333	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0334	61407-105-250	C-CERAMIC.TEMP;CC45 CH TAPG 50V 39-J	
C0335	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0336	61407-101-200	C-CERAMIC.TEMP;CC45 SL TAPG 50V 22-J	
C0337	61407-101-470	C-CERAMIC.TEMP;CC45 SL TAPG 50V 300-J	
C0338	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0339	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0340	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0341	61407-101-160	C-CERAMIC.TEMP;CC45 SL TAPG 50V 15-J	
C0342	61407-105-300	C-CERAMIC.TEMP;CC45 CH TAPG 50V 68-J	
C0343	61407-101-730	C-CERAMIC.TEMP;CC45 SL TAPG 50V 150-K	
C0344	61407-101-730	C-CERAMIC.TEMP;CC45 SL TAPG 50V 150-K	
C0345	61407-101-240	C-CERAMIC.TEMP;CC45 SL TAPG 50V 33-J	
C0346	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0347	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0348	61607-401-471	C-ELECTROLYTIC;CE04W TAPG 16V 100M(SG)	
C0349	61607-401-471	C-ELECTROLYTIC;CE04W TAPG 16V 100M(SG)	
C0351	61407-101-360	C-CERAMIC.TEMP;CC45 SL TAPG 50V 100-J	
C0352	61407-105-690	C-CERAMIC.TEMP;CC45 CH TAPG 50V 51-J	
C0353	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0354	61507-121-410	C-POLYESTER;CQ921M TAPG 50V 0.0033M-K	
C0355	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0356	61407-105-160	C-CERAMIC.TEMP;CC45 CH TAPG 50V 18-J	
C0357	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0358	61507-121-390	C-POLYESTER;CQ921M TAPG 100V 0.0022M-K	
C0359	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0360	61407-105-270	C-CERAMIC.TEMP;CC45 CH TAPG 50V 27-J	
C0361	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0362	61407-105-690	C-CERAMIC.TEMP;CC45 CH TAPG 50V 51-J	
C0363	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0364	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0365	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0366	61407-101-420	C-CERAMIC.TEMP;CC45 SL TAPG 50V 180-J	
C0367	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0368	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0369	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0371	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0372	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0373	61407-101-360	C-CERAMIC.TEMP;CC45 SL TAPG 50V 100-J	
C0374	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0375	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0376	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0377	61407-117-120	C-CERAMIC.AXIAL;TAPG SL 50V 12-J	
C0378	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0379	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0380	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0381	61607-401-471	C-ELECTROLYTIC;CE04W TAPG 16V 100M(SG)	
C0382	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0383	61507-121-571	C-POLYESTER;CQ921M TAPG 100V 0.068M-J	
C0384	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0385	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0386	61407-101-510	C-CERAMIC.TEMP;CC45 SL TAPG 50V 470-J	
C0387	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0388	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0389	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0390	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0391	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0392	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0393	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C0394	61607-401-471	C-ELECTROLYTIC;CE04W TAPG 16V 100M(SG)	
C0394	61607-401-221	C-ELECTROLYTIC;CE04W TAPG 10V 220M	
C0395	61607-402-230	C-ELECTROLYTIC;CE04W TAPG 50V 3.3M	
C0396	61607-402-230	C-ELECTROLYTIC;CE04W TAPG 50V 3.3M	
C0397	61607-401-630	C-ELECTROLYTIC;CE04W TAPG 35V 4.7M	
C0399	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C3101	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C3102	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C3103	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C3104	61407-101-360	C-CERAMIC.TEMP;CC45 SL TAPG 50V 100-J	
C3105	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C3106	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C3107	61507-121-348	C-POLYESTER;CQ921M TAPG 100V 0.001M-K	
C3108	61407-101-360	C-CERAMIC.TEMP;CC45 SL TAPG 50V 100-J	
C3109	61407-105-308	C-CERAMIC.TEMP;CC45 CH TAPG 50V 68-J	
C3110	61507-121-920	C-POLYESTER;CQ921M TAPG 100V 0.1M-M	
C3111	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C3113	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C3114	61507-121-63M	C-POLTESTER;CQ921M TAPG 100V 0.012MK	
C3115	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C3116	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
C3117	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C3118	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C3119	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C3120	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C3121	61507-121-511	C-POLTESTER;CQ921M TAPG 100V 0.022M-J	
C3123	61407-101-510	C-CERAMIC.TEMP;CC45 SL TAPG 50V 470-J	

*. S.N.A.:SERVICE NOT AVAILABLE.

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LOCA.NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK
C3124	61407-101-510	C-CERAMIC.TEMP:CC45 SL TAPG 50V 470-J	
C3125	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C3126	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C3127	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3129	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C3129	61607-401-471	C-ELECTROLYTIC:CE04W TAPG 16V 100M(SG)	
C3130	61607-402-230	C-ELECTROLYTIC:CE04W TAPG 50V 3.3M	
C3131	61607-402-230	C-ELECTROLYTIC:CE04W TAPG 50V 3.3M	
C3132	61607-401-630	C-ELECTROLYTIC:CE04W TAPG 35V 4.7M	
C3133	61417-109-220	C-CERAMIC.HK:CK45 F TAPG 50V 0.022M-Z	
C3134	61417-109-220	C-CERAMIC.HK:CK45 F TAPG 50V 0.022M-Z	
C3135	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C3136	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3137	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C3138	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C3141	61607-401-221	C-ELECTROLYTIC:CE04W TAPG 10V 220M	
C3143	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3144	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3145	61607-401-460	C ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3146	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3147	61607-402-220	C-ELECTROLYTIC:CE04W TAPG 50V 2.2M	
C3148	61607-401-630	C-ELECTROLYTIC:CE04W TAPG 35V 4.7M	
C3149	61407-101-200	C-CERAMIC.TEMP:CC45 SL TAPG 50V 22-J	
C3150	61507-121-511	C-POLTESTER:CQ92M TAPG 100V 0.022M-J	
C3151	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C3152	61607-401-471	C-ELECTROLYTIC:CE04W TAPG 16V 100M(SG)	
CN301	63349-062-410	CONNECTOR-WAFER:5267-12A	
CN302	63349-062-370	CONNECTOR-WAFER:5267-08A	
CN303	63349-062-370	CONNECTOR-WAFER:5267-08A	
CN304	63349-062-380	CONNECTOR-WAFER:5267-09A	
CN305	63349-062-310	CONNECTOR-WAFER:5267-02A	
D0301	62169-406-482	DIODE:1N4148 SAMSUNG	
D0302	62169-406-482	DIODE:1N4148 SAMSUNG	
D0304	62169-406-482	DIODE:1N4148 SAMSUNG	
D0306	62169-406-482	DIODE:1N4148 SAMSUNG	
D0307	62169-406-482	DIODE:1N4148 SAMSUNG	
D0308	62169-406-482	DIODE:1N4148 SAMSUNG	
D0310	62169-406-482	DIODE:1N4148 SAMSUNG	
D0311	62169-406-482	DIODE:1N4148 SAMSUNG	
D0312	62169-406-482	DIODE:1N4148 SAMSUNG	
D0315	62169-406-482	DIODE:1N4148 SAMSUNG	
FL0301	64529-401-210	FILTER-LC:SEL 4473	
FL0302	64529-431-085	FILTER LC:SBP 630-T2	
FL0304	64569-006-011	DELAY LINE:MS-31PC-5K	
FL0305	64529-401-200	FILTER-LC:SFB 4141	
FL0308	64529-416 382	FILTER LC:80158-8 1.1M BPF	
FL0309	62809-006-030	COIL TUNNING:1.072 MHZ	
FL0310	62809-006-030	COIL TUNNING:1.072 MHZ	
FL0311	62809-006-028	COIL TUNNING:4.28 MHZ	
FL0312	62429-038-019	FILTER-LC:4.3-2 MHZ BPF	
FL0313	62429-038-014	FILTER LC:4.3 MHZ BPF	
IC0301	62119-103-662	IC:LA7323	
IC0302	62119-101-755	IC:MSM6965-3RS	
IC0303	62119-101-735	IC:TA8644N	
IC0304	62119-103-689	IC:BA7107S	
IC0305	62119-103-644	IC:LA7311	
IC0306	62119-103-644	IC:LA7311	
L0301	62427-812-151	COIL-PEAKING:EL0606RA-151J(150UH) TAPG	
L0302	62427-812-680	COIL-PEAKING:EL0606RA-680J(68UH) TAPG	
L0303	62427-812-680	COIL-PEAKING:EL0606RA-680J(68UH) TAPG	
L0304	62427-812-221	COIL-PEAKING:EL0606RA-221J(220UH) TAPG	
L0305	62427-812-470	COIL-PEAKING:EL0606RA-470J(47UH) TAPG	
L0306	62427-813-330	COIL-PEAKING:EL0607RA-330K(33UH) TAPG	
L0307	62427-812-560	COIL-PEAKING:EL0606RA-560J(56UH) TAPG	
L0308	62427-812-220	COIL-PEAKING:EL0606RA-220J(22UH) TAPG	
L0309	62427-812-221	COIL-PEAKING:EL0606RA-221J(220UH) TAPG	
L0311	62427-813-330	COIL-PEAKING:EL0607RA-330K(33UH) TAPG	
L0312	62427-813-330	COIL-PEAKING:EL0607RA-330K(33UH) TAPG	
L0313	62427-812-820	COIL-PEAKING:EL0606RA-820UH TAPG	
L0314	62427-812-271	COIL-PEAKING:EL0606RA-271J(270UH) TAPG	
L0315	62427-812-180	COIL-PEAKING:EL0606RA-180J(18UH) TAPG	
L0316	62427-812-100	COIL-PEAKING:EL0606RA-100J(10UH) TAPG	
L0317	62427-812-470	COIL-PEAKING:EL0606RA-470J(47UH) TAPG	
L0318	62427-812-150	COIL-PEAKING:EL0606RA-150J(15UH) TAPG	
L0319	62427-812-220	COIL-PEAKING:EL0606RA-220J(22UH) TAPG	
L0319	62427-812-221	COIL-PEAKING:EL0606RA-221J(220UH) TAPG	
L0321	62429-833-101	COIL-PEAKING AXIAL:BAL04ST 101K	
L0322	62429-833-101	COIL-PEAKING AXIAL:BAL04ST 101K	
L0324	62429-833-101	COIL-PEAKING AXIAL:BAL04ST 101K	
Q0301	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0302	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0303	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0304	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0305	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0306	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0307	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0308	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0311	62137-701-023	TRANSISTOR:KSR 2004 TAPG	
Q0312	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0313	62137-701-010	TRANSISTOR:KSR 1001 TAPG	
Q0314	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0315	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0316	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0317	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0317	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0318	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0319	62137-701-020	TRANSISTOR:KSR 2001 TAPG	
Q0322	62137-701-010	TRANSISTOR:KSR 1001 TAPG	
Q0323	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0324	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0325	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0326	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0327	62137-701-010	TRANSISTOR:KSR 1001 TAPG	
Q0328	62139-701-055	TRANSISTOR:KSA928A-Y	
R(W53)	61048-177-100	R-METAL FILM:RM 1/8TS 10-J	
R0301	61048-177-272	R-METAL FILM:RM 1/8TS 2.7K-J	
R0302	61048-177-681	R-METAL FILM:RM 1/8TS 680-J	
R0303	61048-177-332	R-METAL FILM:RM 1/8TS 3.3K-J	
R0304	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0305	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0306	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0307	61048-177-302	R-METAL FILM:RM 1/8TS 3K-J	
R0308	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0309	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0310	61048-177-472	R-METAL FILM:RM 1/8TS 4.7K-J	
R0311	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0312	61048-177-562	R-METAL FILM:RM 1/8TS 5.6K-J	
R0313	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0314	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0315	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0316	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0317	61048-177-682	R-METAL FILM:RM 1/8TS 6.8K-J	
R0318	61048-177-122	R-METAL FILM:RM 1/8TS 1.2K-J	
R0319	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0320	61048-177-332	R-METAL FILM:RM 1/8TS 3.3K-J	
R0321	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0323	61048-177-474	R-METAL FILM:RM 1/8TS 470K-J	
R0324	61048-177-153	R-METAL FILM:RM 1/8TS 15K-J	
R0325	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0327	61048-177-153	R-METAL FILM:RM 1/8TS 15K-J	
R0328	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0330	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0331	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0332	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0333	61048-177-391	R-METAL FILM:RM 1/8TS 390-J	
R0334	61048-177-391	R-METAL FILM:RM 1/8TS 390-J	
R0335	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0336	61048-177-562	R-METAL FILM:RM 1/8TS 5.6K-J	
R0337	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0338	61048-177-911	R-METAL FILM:RM 1/8TS 910-J	
R0339	61048-177-272	R-METAL FILM:RM 1/8TS 2.7K-J	
R0340	61048-177-181	R-METAL FILM:RM 1/8TS 180-J	
R0341	61048-177-561	R-METAL FILM:RM 1/8TS 560-J	
R0343	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0344	61048-177-181	R-METAL FILM:RM 1/8TS 180-J	
R0345	61048-177-821	R-METAL FILM:RM 1/8TS 820-J	
R0346	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0347	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0348	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0351	61048-177-472	R-METAL FILM:RM 1/8TS 4.7K-J	
R0352	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R0353	61048-177-392	R-METAL FILM:RM 1/8TS 3.9K-J	
R0354	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0355	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0356	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0357	61048-177-474	R-METAL FILM:RM 1/8TS 470K-J	
R0358	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0359	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0360	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R0361	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R0362	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0363	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0364	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0365	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0367	61048-177-821	R-METAL FILM:RM 1/8TS 820-J	
R0368	61048-177-271	R-METAL FILM:RM 1/8TS 270-J	
R0369	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R0371	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0372	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0373	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0374	61048-177-393	R-METAL FILM:RM 1/8TS 39K-J	
R0375	61048-177-153	R-METAL FILM:RM 1/8TS 15K-J	
R0376	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0377	61048-177-561	R-METAL FILM:RM 1/8TS 560-J	
R0378	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0379	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0380	61048-177-271	R-METAL FILM:RM 1/8TS 270-J	
R0381	61048-177-122	R-METAL FILM:RM 1/8TS 1.2K-J	
R0382	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0384	61048-177-473	R-METAL FILM:RM 1/8TS 47K-J	

*. S.N.A.:SERVICE NOT AVAILABLE.

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LOCA.NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK
R0385	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0386	61048-177-153	R-METAL FILM:RM 1/8TS 15K-J	
R0387	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0390	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0391	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0392	61048-177-331	R-METAL FILM:RM 1/8TS 330-J	
R0393	61048-177-821	R-METAL FILM:RM 1/8TS 820-J	
R0394	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0396	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0397	61048-177-821	R-METAL FILM:RM 1/8TS 820-J	
R0398	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R0399	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R3101	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R3102	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R3103	61048-177-123	R-METAL FILM:RM 1/8TS 12K-J	
R3104	61048-177-821	R-METAL FILM:RM 1/8TS 820-J	
R3105	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R3106	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R3107	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R3108	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R3109	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R3110	61048-177-271	R-METAL FILM:RM 1/8TS 270-J	
R3111	61048-177-680	R-METAL FILM:RM 1/8TS 68-J	
R3112	61048-177-152	R-METAL FILM:RM 1/8TS 1.5K-J	
R3113	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R3114	61048-177-681	R-METAL FILM:RM 1/8TS 680-J	
R3115	61048-177-123	R-METAL FILM:RM 1/8TS 12K-J	
R3116	61048-177-561	R-METAL FILM:RM 1/8TS 560-J	
R3117	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R3118	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R3119	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R3120	61048-177-472	R-METAL FILM:RM 1/8TS 4.7K-J	
R3121	61048-177-473	R-METAL FILM:RM 1/8TS 47K-J	
R3122	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R3123	61048-177-821	R-METAL FILM:RM 1/8TS 820-J	
R3124	61048-177-271	R-METAL FILM:RM 1/8TS 270-J	
R3125	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R3126	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R3127	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R3128	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R3129	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R3130	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R3131	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R3132	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R3133	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R3134	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R3135	61048-177-104	R-METAL FILM:RM 1/8TS 100K-J	
R3137	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R3138	61048-177-821	R-METAL FILM:RM 1/8TS 820-J	
R3139	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R3140	61048-177-183	R-METAL FILM:RM 1/8TS 18K-J	
R3141	61048-177-472	R-METAL FILM:RM 1/8TS 4.7K-J	
R3142	61048-177-272	R-METAL FILM:RM 1/8TS 2.7K-J	
R3150	61048-177-473	R-METAL FILM:RM 1/8TS 47K-J	
R3151	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R3152	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R3153	61048-177-561	R-METAL FILM:RM 1/8TS 560-J	
R3154	61048-177-391	R-METAL FILM:RM 1/8TS 390-J	
VR0301	61246-105-472	VR-SEMI:RH0615C 4.7KB	
VR0302	61246-105-223	VR-SEMI:RH0615C 22KB	
VR0303	61246-105-223	VR-SEMI:RH0615C 22KB	
VR0304	61246-105-472	VR-SEMI:RH0615C 4.7KB	
VR0305	61246-105-102	VR-SEMI:RH0615C 1KB	
VR0306	61246-105-102	VR-SEMI:RH0615C 1KB	
VR0307	61246-105-103	VR-SEMI:RH0615C 10KB	
VR0308	61246-105-223	VR-SEMI:RH0615C 22KB	
XTAL1	64539-012-048	CRYSTAL:4.433619MHZ	
	VIDEO PARTS	: USED ONLY FOR VX-8220/8220M/8220E MODEL	
	63005-006-696	PWB MAIN(B):94V0 1.6X156X247(VK8220)	S.N.A
	63054-211-090	WIRE-GND ASSY:1007 #18 190 BLK AA	S.N.A
	63054-211-180	WIRE-GND ASSY:1007 #18 270 BLK AA	S.N.A
	63054-211-180	WIRE-GND ASSY:1007 #18 270 BLK AA	S.N.A
C0301	61407-105-660	C-CERAMIC.TEMP:CC45 CH TAPG 50V 5-D	
C0302	61407-101-490	C-CERAMIC.TEMP:CC45 SL TAPG 50V 390-J	
C0303	61407-101-240	C-CERAMIC.TEMP:CC45 SL TAPG 50V 33-J	
C0304	61407-105-250	C-CERAMIC.TEMP:CC45 CH TAPG 50V 39-J	
C0305	61607-402-208	C-ELECTROLYTIC:CE04W TAPG 50V 0.47M	
C0306	61607-402-220	C-ELECTROLYTIC:CE04W TAPG 50V 2.2M	
C0307	61407-101-440	C-CERAMIC.TEMP:CC45 SL TAPG 50V 220-J	
C0309	61607-402-230	C-ELECTROLYTIC:CE04W TAPG 50V 3.3M	
C0310	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0311	61407-101-240	C-CERAMIC.TEMP:CC45 SL TAPG 50V 33-J	
C0312	61407-101-380	C-CERAMIC.TEMP:CC45 SL TAPG 50V 120-J	
C0313	61407-105-280	C-CERAMIC.TEMP:CC45 CH TAPG 50V 56-J	
C0315	61407-101-200	C-CERAMIC.TEMP:CC45 SL TAPG 50V 22-J	
C0316	61407-105-320	C-CERAMIC.TEMP:CC45 CH TAPG 50V 82-J	
C0317	61507-121-571	C-POLYESTER:CQ921M TAPG 100V 0.068M-J	
C0318	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	

LOCA.NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK
C0319	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0320	61607-401-430	C-ELECTROLYTIC:CE04W TAPG 25V 10M	
C0321	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0323	61607-401-471	C-ELECTROLYTIC:CE04W TAPG 16V 100M(SG)	
C0325	61607-401-440	C-ELECTROLYTIC:CE04W TAPG 16V 22M	
C0326	61607-402-208	C-ELECTROLYTIC:CE04W TAPG 50V 0.47M	
C0327	61607-401-430	C-ELECTROLYTIC:CE04W TAPG 25V 10M	
C0328	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C0329	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0330	61407-101-470	C-CERAMIC.TEMP:CC45 SL TAPG 50V 300-J	
C0331	61407-105-320	C-CERAMIC.TEMP:CC45 CH TAPG 50V 82-J	
C0332	61407-105-860	C-CERAMIC.TEMP:CC45 CH TAPG 50V 18-D	
C0333	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0334	61407-105-250	C-CERAMIC.TEMP:CC45 CH TAPG 50V 39-J	
C0335	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0336	61407-101-200	C-CERAMIC.TEMP:CC45 SL TAPG 50V 22-J	
C0337	61407-101-470	C-CERAMIC.TEMP:CC45 SL TAPG 50V 300-J	
C0338	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0339	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0340	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0341	61407-101-160	C-CERAMIC.TEMP:CC45 SL TAPG 50V 15-J	
C0342	61407-105-300	C-CERAMIC.TEMP:CC45 CH TAPG 50V 68-J	
C0343	61407-101-730	C-CERAMIC.TEMP:CC45 SL TAPG 50V 150-K	
C0344	61407-101-730	C-CERAMIC.TEMP:CC45 SL TAPG 50V 150-K	
C0345	61407-101-240	C-CERAMIC.TEMP:CC45 SL TAPG 50V 33-J	
C0346	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0347	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0348	61607-401-471	C-ELECTROLYTIC:CE04W TAPG 16V 100M(SG)	
C0349	61607-401-471	C-ELECTROLYTIC:CE04W TAPG 16V 100M(SG)	
C0351	61407-101-360	C-CERAMIC.TEMP:CC45 SL TAPG 50V 100-J	
C0352	61407-105-690	C-CERAMIC.TEMP:CC45 CH TAPG 50V 51-J	
C0353	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0354	61507-121-410	C-POLYESTER:CQ921M TAPG 50V 0.0033M-K	
C0355	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0356	61407-105-160	C-CERAMIC.TEMP:CC45 CH TAPG 50V 18-J	
C0357	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0358	61507-121-390	C-POLYESTER:CQ921M TAPG 100V 0.0022M-K	
C0359	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0360	61407-105-270	C-CERAMIC.TEMP:CC45 CH TAPG 50V 27-J	
C0361	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0362	61407-105-690	C-CERAMIC.TEMP:CC45 CH TAPG 50V 51-J	
C0363	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0364	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0365	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0366	61407-101-420	C-CERAMIC.TEMP:CC45 SL TAPG 50V 180-J	
C0367	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0368	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0369	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0371	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0372	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0373	61407-101-360	C-CERAMIC.TEMP:CC45 SL TAPG 50V 100-J	
C0374	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0375	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0376	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0377	61407-117-120	C-CERAMIC.AXIAL:TAPG SL 50V 12-J	
C0378	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0379	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0380	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0381	61607-401-471	C-ELECTROLYTIC:CE04W TAPG 16V 100M(SG)	
C0382	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0383	61507-121-571	C-POLYESTER:CQ921M TAPG 100V 0.068M-J	
C0384	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0385	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0386	61407-101-510	C-CERAMIC.TEMP:CC45 SL TAPG 50V 470-J	
C0387	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0388	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0389	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0390	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0391	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0392	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0393	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C0394	61607-401-221	C-ELECTROLYTIC:CE04W TAPG 10V 220M	
C0394	61607-401-471	C-ELECTROLYTIC:CE04W TAPG 16V 100M(SG)	
C0395	61607-402-230	C-ELECTROLYTIC:CE04W TAPG 50V 3.3M	
C0396	61607-402-230	C-ELECTROLYTIC:CE04W TAPG 50V 3.3M	
C0397	61607-401-630	C-ELECTROLYTIC:CE04W TAPG 35V 4.7M	
C0399	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C3143	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3144	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3145	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3146	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3147	61607-402-220	C-ELECTROLYTIC:CE04W TAPG 50V 2.2M	
C3148	61607-401-630	C-ELECTROLYTIC:CE04W TAPG 35V 4.7M	
C3149	61407-101-200	C-CERAMIC.TEMP:CC45 SL TAPG 50V 22-J	
C3150	61507-121-511	C-POLYESTER:CQ921M TAPG 100V 0.022M-J	
C3151	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C3152	61607-401-471	C-ELECTROLYTIC:CE04W TAPG 16V 100M(SG)	
CN301	63349-062-410	CONNECTOR-WAFER:5267-12A	
CN302	63349-062-370	CONNECTOR-WAFER:5267-08A	
CN303	63349-062-370	CONNECTOR-WAFER:5267-08A	

*.S.N.A : SERVICE NOT AVAILABLE.

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LOCA.NO	PART-NUMBER	DESCRIPTION;SPECIFICATION	REMARK
CN304	63349-062-380	CONNECTOR-WAFER;5267-09A	
D0301	62169-406-482	DIODE;1N4148 SAMSUNG	
D0302	62169-406-482	DIODE;1N4148 SAMSUNG	
D0304	62169-406-482	DIODE;1N4148 SAMSUNG	
D0306	62169-406-482	DIODE;1N4148 SAMSUNG	
D0307	62169-406-482	DIODE;1N4148 SAMSUNG	
D0308	62169-406-482	DIODE;1N4148 SAMSUNG	
FL0301	64529-401-210	FILTER-LC;SEL 4473	
FL0302	64529-431-085	FILTER LC;SBP 630-T2	
FL0304	64569-006-011	DELAY LINE;MS-31PC-5K	
FL0305	64529-401-200	FILTER-LC;SFB 4141	
IC0301	62119-103-662	IC;LA7323	
IC0302	62119-101-755	IC;MSM6965-3RS	
IC0303	62119-101-735	IC;TA8644N	
IC0305	62119-103-644	IC;LA7311	
L0301	62427-812-151	COIL-PEAKING;EL0606RA-151J(150UH) TAPG	
L0302	62427-812-680	COIL-PEAKING;EL0606RA-680J(68UH) TAPG	
L0303	62427-812-680	COIL-PEAKING;EL0606RA-680J(68UH) TAPG	
L0304	62427-812-221	COIL-PEAKING;EL0606RA-221J(220UH) TAPG	
L0305	62427-812-470	COIL-PEAKING;EL0606RA-470J(47UH) TAPG	
L0306	62427-812-330	COIL-PEAKING;EL0606RA-33UH TAPG	
L0307	62427-812-560	COIL-PEAKING;EL0606RA-560J(56UH) TAPG	
L0308	62427-812-220	COIL-PEAKING;EL0606RA-220J(22UH) TAPG	
L0309	62427-812-221	COIL-PEAKING;EL0606RA-221J(220UH) TAPG	
L0311	62427-812-220	COIL-PEAKING;EL0606RA-220J(22UH) TAPG	
L0311	62427-812-330	COIL-PEAKING;EL0606RA-33UH TAPG	
L0312	62427-812-330	COIL-PEAKING;EL0606RA-33UH TAPG	
L0313	62427-812-820	COIL-PEAKING;EL06W6RA-82UH TAPG	
L0314	62427-812-271	COIL-PEAKING;EL0606RA-271J(270UH) TAPG	
L0315	62427-812-180	COIL-PEAKING;EL0606RA-180J(18UH) TAPG	
L0316	62427-812-100	COIL-PEAKING;EL0606RA-100J(10UH) TAPG	
L0317	62427-812-470	COIL-PEAKING;EL0606RA-470J(47UH) TAPG	
L0318	62427-812-150	COIL-PEAKING;EL0606RA-150J(15UH) TAPG	
L0321	62427-814-101	COIL-PEAKING AXIAL;BAL03 TAPG 101K	
L0322	62427-814-101	COIL-PEAKING AXIAL;BAL03 TAPG 101K	
L0324	62427-814-101	COIL-PEAKING AXIAL;BAL03 TAPG 101K	
Q0301	62137-103-380	TRANSISTOR;KSA 733-Y TAPG	
Q0302	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q0303	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q0304	62137-103-380	TRANSISTOR;KSA 733-Y TAPG	
Q0305	62137-103-380	TRANSISTOR;KSA 733-Y TAPG	
Q0306	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q0307	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q0308	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q0311	62137-701-023	TRANSISTOR;KSR 2004 TAPG	
Q0312	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q0313	62137-701-010	TRANSISTOR;KSR 1001 TAPG	
Q0314	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q0315	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q0316	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q0317	62137-103-380	TRANSISTOR;KSA 733-Y TAPG	
Q0318	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q0319	62137-701-020	TRANSISTOR;KSR 2001 TAPG	
R0301	61048-177-272	R-METAL FILM;RM 1/8TS 2.7K-J	
R0302	61048-177-681	R-METAL FILM;RM 1/8TS 680-J	
R0303	61048-177-332	R-METAL FILM;RM 1/8TS 3.3K-J	
R0304	61048-177-105	R-METAL FILM;RM 1/8TS 1M-J	
R0305	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0306	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0307	61048-177-302	R-METAL FILM;RM 1/8TS 3K-J	
R0308	61048-177-105	R-METAL FILM;RM 1/8TS 1M-J	
R0309	61048-177-202	R-METAL FILM;RM 1/8TS 2K-J	
R0310	61048-177-472	R-METAL FILM;RM 1/8TS 4.7K-J	
R0311	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0312	61048-177-562	R-METAL FILM;RM 1/8TS 5.6K-J	
R0313	61048-177-105	R-METAL FILM;RM 1/8TS 1M-J	
R0314	61048-177-202	R-METAL FILM;RM 1/8TS 2K-J	
R0315	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0316	61048-177-222	R-METAL FILM;RM 1/8TS 2.2K-J	
R0317	61048-177-682	R-METAL FILM;RM 1/8TS 6.8K-J	
R0318	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
R0319	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R0320	61048-177-332	R-METAL FILM;RM 1/8TS 3.3K-J	
R0321	61048-177-222	R-METAL FILM;RM 1/8TS 2.2K-J	
R0323	61048-177-474	R-METAL FILM;RM 1/8TS 470K-J	
R0324	61048-177-153	R-METAL FILM;RM 1/8TS 15K-J	
R0325	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0327	61048-177-153	R-METAL FILM;RM 1/8TS 15K-J	
R0328	61048-177-202	R-METAL FILM;RM 1/8TS 2K-J	
R0330	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0331	61048-177-222	R-METAL FILM;RM 1/8TS 2.2K-J	
R0332	61048-177-222	R-METAL FILM;RM 1/8TS 2.2K-J	
R0333	61048-177-391	R-METAL FILM;RM 1/8TS 390-J	
R0334	61048-177-391	R-METAL FILM;RM 1/8TS 390-J	
R0335	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0336	61048-177-562	R-METAL FILM;RM 1/8TS 5.6K-J	
R0337	61048-177-222	R-METAL FILM;RM 1/8TS 2.2K-J	
R0338	61048-177-911	R-METAL FILM;RM 1/8TS 910-J	
R0339	61048-177-272	R-METAL FILM;RM 1/8TS 2.7K-J	
R0340	61048-177-181	R-METAL FILM;RM 1/8TS 180-J	
R0341	61048-177-561	R-METAL FILM;RM 1/8TS 560-J	
R0343	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0344	61048-177-181	R-METAL FILM;RM 1/8TS 180-J	
R0345	61048-177-821	R-METAL FILM;RM 1/8TS 820-J	
R0346	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R0347	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R0348	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0351	61048-177-472	R-METAL FILM;RM 1/8TS 4.7K-J	
R0352	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R0353	61048-177-392	R-METAL FILM;RM 1/8TS 3.9K-J	
R0354	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R0355	61048-177-202	R-METAL FILM;RM 1/8TS 2K-J	
R0356	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R0357	61048-177-474	R-METAL FILM;RM 1/8TS 470K-J	
R0358	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0359	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0360	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R0361	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R0362	61048-177-222	R-METAL FILM;RM 1/8TS 2.2K-J	
R0363	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0364	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0365	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0367	61048-177-821	R-METAL FILM;RM 1/8TS 820-J	
R0368	61048-177-271	R-METAL FILM;RM 1/8TS 270-J	
R0369	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R0371	61048-177-222	R-METAL FILM;RM 1/8TS 2.2K-J	
R0372	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0373	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0374	61048-177-393	R-METAL FILM;RM 1/8TS 39K-J	
R0375	61048-177-153	R-METAL FILM;RM 1/8TS 15K-J	
R0376	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0377	61048-177-561	R-METAL FILM;RM 1/8TS 560-J	
R0378	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0379	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0380	61048-177-271	R-METAL FILM;RM 1/8TS 270-J	
R0381	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
R0382	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R0384	61048-177-473	R-METAL FILM;RM 1/8TS 47K-J	
R0385	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R0386	61048-177-153	R-METAL FILM;RM 1/8TS 15K-J	
R0387	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0390	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0391	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0392	61048-177-331	R-METAL FILM;RM 1/8TS 330-J	
R0393	61048-177-821	R-METAL FILM;RM 1/8TS 820-J	
R0394	61048-177-105	R-METAL FILM;RM 1/8TS 1M-J	
R0396	61048-177-105	R-METAL FILM;RM 1/8TS 1M-J	
R0397	61048-177-821	R-METAL FILM;RM 1/8TS 820-J	
R0398	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R0399	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R3109	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R3150	61048-177-473	R-METAL FILM;RM 1/8TS 47K-J	
R3152	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R3153	61048-177-561	R-METAL FILM;RM 1/8TS 560-J	
R3154	61048-177-391	R-METAL FILM;RM 1/8TS 390-J	
VR0301	61246-105-472	VR-SEMI;RH0615C 4.7KB	
VR0302	61246-105-223	VR-SEMI;RH0615C 22KB	
VR0303	61246-105-223	VR-SEMI;RH0615C 22KB	
VR0304	61246-105-472	VR-SEMI;RH0615C 4.7KB	
VR0305	61246-105-102	VR-SEMI;RH0615C 1KB	
VR0306	61246-105-102	VR-SEMI;RH0615C 1KB	
VR0307	61246-105-103	VR-SEMI;RH0615C 10KB	
XTAL1	64539-012-040	CRYSTAL;4.433619MHZ	
MAIN-B	VIDEO PARTS	: USED ONLY FOR VI-8220,VB-8220A MODEL	
	63005-006-696	PWB MAIN(B);94V0 1.6X156X247(VK8220)	S.N.A
	63054-211-180	WIRE-GND ASSY;1007 #18 270 BLK AA	S.N.A
	63304-113-621	CONNECTOR-TERMINAL;5033-4T	
	63304-113-621	CONNECTOR-TERMINAL;5033-4T	
	63054-211-180	WIRE-GND ASSY;1007 #18 270 BLK AA	S.N.A
C0301	61407-105-660	C-CERAMIC,TEMP;CC45 CH TAPG 50V 5-D	
C0302	61407-101-490	C-CERAMIC,TEMP;CC45 SL TAPG 50V 390-J	
C0303	61407-101-240	C-CERAMIC,TEMP;CC45 SL TAPG 50V 33-J	
C0304	61407-105-250	C-CERAMIC,TEMP;CC45 CH TAPG 50V 39-J	
C0305	61607-402-200	C-ELECTROLYTIC;CE04W TAPG 50V 0.47M	
C0306	61607-402-220	C-ELECTROLYTIC;CE04W TAPG 50V 2.2M	
C0307	61407-101-440	C-CERAMIC,TEMP;CC45 SL TAPG 50V 220-J	
C0308	61407-105-470	C-CERAMIC,TEMP;50V CH TAPG 47J	
C0309	61607-402-230	C-ELECTROLYTIC;CE04W TAPG 50V 3.3M	
C0310	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0311	61407-101-240	C-CERAMIC,TEMP;CC45 SL TAPG 50V 33-J	
C0312	61407-101-380	C-CERAMIC,TEMP;CC45 SL TAPG 50V 120-J	
C0313	61407-105-280	C-CERAMIC,TEMP;CC45 CH TAPG 50V 56-J	
C0315	61407-101-200	C-CERAMIC,TEMP;CC45 SL TAPG 50V 22-J	
C0316	61407-105-320	C-CERAMIC,TEMP;CC45 CH TAPG 50V 82-J	
C0317	61507-121-571	C-POLYESTER,CQ921M TAPG 100V 0.068M-J	
C0318	61407-117 104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	

*.S.N.A : SERVICE NOT AVAILABLE.

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LOCA.NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK
C0319	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0320	61607-401-430	C-ELECTROLYTIC:CE04W TAPG 25V 10M	
C0321	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0323	61607-161-101	C-ELECTROLYTIC:CE04W TAPG 10V 100M(LL)	
C0325	61607-401-440	C-ELECTROLYTIC:CE04W TAPG 16V 22M	
C0326	61607-402-208	C-ELECTROLYTIC:CE04W TAPG 50V 0.47M	
C0327	61607-401-430	C-ELECTROLYTIC:CE04W TAPG 25V 10M	
C0328	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C0329	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0330	61407-101-470	C-CERAMIC.TEMP:CC45 SL TAPG 50V 300-J	
C0331	61407-105-320	C-CERAMIC.TEMP:CC45 CH TAPG 50V 82-J	
C0332	61407-105-860	C-CERAMIC.TEMP:CC45 CH TAPG 50V 10-D	
C0333	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0334	61407-105-250	C-CERAMIC.TEMP:CC45 CH TAPG 50V 39-J	
C0335	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0336	61407-101-200	C-CERAMIC.TEMP:CC45 SL TAPG 50V 22-J	
C0337	61407-101-470	C-CERAMIC.TEMP:CC45 SL TAPG 50V 300-J	
C0338	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0339	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0340	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0341	61407-101-160	C-CERAMIC.TEMP:CC45 SL TAPG 50V 15-J	
C0342	61407-105-300	C-CERAMIC.TEMP:CC45 CH TAPG 50V 68-J	
C0343	61407-101-730	C-CERAMIC.TEMP:CC45 SL TAPG 50V 150-K	
C0344	61407-101-730	C-CERAMIC.TEMP:CC45 SL TAPG 50V 150-K	
C0345	61407-101-240	C-CERAMIC.TEMP:CC45 SL TAPG 50V 33-J	
C0346	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0347	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0348	61607-161-101	C-ELECTROLYTIC:CE04W TAPG 10V 100M(LL)	
C0349	61607-161-101	C-ELECTROLYTIC:CE04W TAPG 10V 100M(LL)	
C0352	61407-105-690	C-CERAMIC.TEMP:CC45 CH TAPG 50V 51-J	
C0353	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0354	61507-121-410	C-POLYESTER:CQ921M TAPG 50V 0.0033M-K	
C0355	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0356	61407-105-160	C-CERAMIC.TEMP:CC45 CH TAPG 50V 18-J	
C0357	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0358	61507-121-390	C-POLYESTER:CQ921M TAPG [illegible] 0.0022M-K	
C0359	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0360	61407-105-270	C-CERAMIC.TEMP:CC45 CH TAPG 50V 27-J	
C0361	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0362	61407-105-690	C-CERAMIC.TEMP:CC45 CH TAPG 50V 51-J	
C0363	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0364	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0365	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0366	61407-101-420	C-CERAMIC.TEMP:CC45 SL TAPG 50V 180-J	
C0367	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0368	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0369	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0371	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0372	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0373	61407-101-360	C-CERAMIC.TEMP:CC45 SL TAPG 50V 100-J	
C0374	61607-402-210	C-ELECTROLYTIC:CE04W TAPG [illegible] 1M	
C0375	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0376	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0377	61407-117-120	C-CERAMIC.AXIAL:TAPG SL 50V 12-J	
C0378	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0379	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0380	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0381	61607-161-101	C-ELECTROLYTIC:CE04W TAPG 10V 100M(LL)	
C0382	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0383	61507-121-571	C-POLYESTER:CQ921M TAPG 100V 0.068M-J	
C0384	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0385	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0386	61407-101-510	C-CERAMIC.TEMP:CC45 SL TAPG 50V 470-J	
C0387	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0388	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0389	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0399	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C3143	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3144	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3145	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3146	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3147	61607-402-220	C-ELECTROLYTIC:CE04W TAPG 50V 2.2M	
C3148	61607-401-630	C-ELECTROLYTIC:CE04W TAPG 35V 4.7M	
C3149	61407-101-200	C CERAMIC.TEMP:CC45 SL TAPG 50V 22-J	
C3151	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C3152	61607-161-101	C-ELECTROLYTIC:CE04W TAPG 10V 100M(LL)	
CN301	63349-062-418	CONNECTOR-WAFER:5267-12A	
CN302	63349-062-378	CONNECTOR-WAFER:5267-08A	
CN303	63349-062-370	CONNECTOR-WAFER:5267-08A	
CN304	63349-062-380	CONNECTOR-WAFER:5267-09A	
D0301	62169-406-482	DIODE:IN4148 SAMSUNG	
D0302	62169-406-482	DIODE:IN4148 SAMSUNG	
D0304	62169-406-482	DIODE:IN4148 SAMSUNG	
D0306	62169-406-482	DIODE:IN4148 SAMSUNG	
FL0301	64529-401-210	FILTER-LC:SEL 4473	
FL0302	64529-431-085	FILTER LC:SBP 630-T2	
FL0304	64569-006-011	DELAY LINE:MS-31PC-5K	
FL0305	64529-401-200	FILTER-LC:SFB 4141	
IC0301	62119-103-662	IC:LA7323	
IC0302	62119-101-755	IC:MSM5965-3RS	
IC0303	62119-101-735	IC:TA8644N	
L0301	62427-812-151	COIL-PEAKING:EL0606RA-151J(150UH) TAPG	
L0302	62427-812-680	COIL-PEAKING:EL0606RA-680J(68UH) TAPG	
L0303	62427-812-680	COIL-PEAKING:EL0606RA-680J(68UH) TAPG	
L0304	62427-812-221	COIL-PEAKING:EL0606RA-221J(220UH) TAPG	
L0305	62427-812-470	COIL-PEAKING:EL0606RA-470J(47UH) TAPG	
L0306	62427-812-330	COIL-PEAKING:EL0606RA-330H TAPG	
L0307	62427-812-560	COIL-PEAKING:EL0606RA-560J(56UH) TAPG	
L0308	62427-812-220	COIL-PEAKING:EL0606RA-220J(22UH) TAPG	
L0309	62427-812-221	COIL-PEAKING:EL0606RA-221J(220UH) TAPG	
L0311	62427-812-330	COIL-PEAKING:EL0606RA-330H TAPG	
L0312	62427-812-330	COIL-PEAKING:EL0606RA-330H TAPG	
L0313	62427-812-820	COIL-PEAKING:EL0606RA-820H TAPG	
L0314	62427-812-271	COIL-PEAKING:EL0606RA-271J(270UH) TAPG	
L0315	62427-812-180	COIL-PEAKING:EL0606RA-180J(18UH) TAPG	
L0316	62427-812-100	COIL-PEAKING:EL0606RA-100J(10UH) TAPG	
L0317	62427-812-470	COIL-PEAKING:EL0606RA-470J(47UH) TAPG	
L0318	62427-812-150	COIL-PEAKING:EL0606RA-150J(15UH) TAPG	
L0321	62427-814-101	COIL-PEAKING AXIAL:BAL03 TAPG 101K	
L0322	62427-814-101	COIL-PEAKING AXIAL:BAL03 TAPG 101K	
L0324	62427-814-101	COIL-PEAKING AXIAL:BAL03 TAPG 101K	
Q0301	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0302	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0303	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0304	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0305	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0306	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0307	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0308	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0311	62137-701-023	TRANSISTOR:KSR 2004 TAPG	
Q0312	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0313	62137-701-010	TRANSISTOR:KSR 1001 TAPG	
Q0314	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0315	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0316	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0317	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0318	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
R0301	61048-177-272	R-METAL FILM:RM 1/8TS 2.7K-J	
R0302	61048-177-681	R-METAL FILM:RM 1/8TS 680-J	
R0303	61048-177-332	R-METAL FILM:RM 1/8TS 3.3K-J	
R0304	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0305	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0306	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0307	61048-177-302	R-METAL FILM:RM 1/8TS 3K-J	
R0308	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0309	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0310	61048-177-472	R-METAL FILM:RM 1/8TS 4.7K-J	
R0311	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0312	61048-177-562	R-METAL FILM:RM 1/8TS 5.6K-J	
R0313	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0314	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0315	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0316	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0317	61048-177-682	R-METAL FILM:RM 1/8TS 6.8K-J	
R0318	61048-177-122	R-METAL FILM:RM 1/8TS 1.2K-J	
R0319	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0320	61048-177-332	R-METAL FILM:RM 1/8TS 3.3K-J	
R0321	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0323	61048-177-474	R-METAL FILM:RM 1/8TS 470K-J	
R0324	61048-177-153	R-METAL FILM:RM 1/8TS 15K-J	
R0325	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0327	61048-177-153	R-METAL FILM:RM 1/8TS 15K-J	
R0328	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0330	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0331	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0332	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0333	61048-177-391	R-METAL FILM:RM 1/8TS 390-J	
R0334	61048-177-391	R-METAL FILM:RM 1/8TS 390-J	
R0335	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0336	61048-177-562	R-METAL FILM:RM 1/8TS 5.6K-J	
R0337	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0338	61048-177-911	R-METAL FILM:RM 1/8TS 910-J	
R0339	61048-177-272	R-METAL FILM:RM 1/8TS 2.7K-J	
R0340	61048-177-181	R-METAL FILM:RM 1/8TS 180-J	
R0341	61048-177-561	R-METAL FILM:RM 1/8TS 560-J	
R0343	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0344	61048-177-181	R-METAL FILM:RM 1/8TS 180-J	
R0345	61048-177-821	R-METAL FILM:RM 1/8TS 820-J	
R0346	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0347	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0348	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0351	61048-177-472	R-METAL FILM:RM 1/8TS 4.7K-J	
R0353	61048-177-392	R-METAL FILM:RM 1/8TS 3.9K-J	
R0354	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0355	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0356	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0357	61048-177-474	R-METAL FILM:RM 1/8TS 470K-J	
R0358	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0359	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0360	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	

* S.N.A : SERVICE NOT AVAILABLE

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LOCA.NO	PART-NUMBER	DESCRIPTION;SPECIFICATION	REMARK
R0361	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R0362	61048-177-222	R-METAL FILM;RM 1/8TS 2.2K-J	
R0363	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0364	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0365	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0367	61048-177-821	R-METAL FILM;RM 1/8TS 820-J	
R0368	61048-177-271	R-METAL FILM;RM 1/8TS 270-J	
R0369	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R0371	61048-177-222	R-METAL FILM;RM 1/8TS 2.2K-J	
R0372	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0373	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0374	61048-177-393	R-METAL FILM;RM 1/8TS 39K-J	
R0375	61048-177-153	R-METAL FILM;RM 1/8TS 15K-J	
R0376	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0377	61048-177-561	R-METAL FILM;RM 1/8TS 560-J	
R0378	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0379	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0380	61048-177-271	R-METAL FILM;RM 1/8TS 270-J	
R0381	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
R0382	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R0384	61048-177-473	R-METAL FILM;RM 1/8TS 47K-J	
R0385	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R0386	61048-177-153	R-METAL FILM;RM 1/8TS 15K-J	
R0387	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0390	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0391	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0392	61048-177-331	R-METAL FILM;RM 1/8TS 330-J	
R0393	61048-177-821	R-METAL FILM;RM 1/8TS 820-J	
R3152	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R3153	61048-177-561	R-METAL FILM;RM 1/8TS 560-J	
R3154	61048-177-391	R-METAL FILM;RM 1/8TS 390-J	
VR0301	61246-105-472	VR-SEMI;RH0615C 4.7KB	
VR0302	61246-105-223	VR-SEMI;RH0615C 22KB	
VR0303	61246-105-223	VR-SEMI;RH0615C 22KB	
VR0304	61246-105-472	VR-SEMI;RH0615C 4.7KB	
VR0305	61246-105-102	VR-SEMI;RH0615C 1KB	
VR0306	61246-105-102	VR-SEMI;RH0615C 1KB	
VR0307	61246-105-103	VR-SEMI;RH0615C 10KB	
XTAL1	64539-012-048	CRYSTAL;4.433619MHZ	
MAIN-B	VIDEO PARTS	: USED ONLY FOR VX-8225 MODEL	
	63005-006-917	PWB MAIN(B);94V01.6X122X249(VX8225)	S.N.A
	63054-100-110	SHIELD WIRE1533 #26 BRN 110BB	S.N.A
	63054-211-090	WIRE-GND ASSY;1007 #18 190 BLK AA	S.N.A
	63054-211-180	WIRE-GND ASSY;1007 #18 270 BLK AA	S.N.A
	63054-211-180	WIRE-GND ASSY;1007 #18 270 BLK AA	S.N.A
	63054-301-600	WIRE-SHIELD;1533-11 #26 150 ORG AA	S.N.A
C0302	61407-101-490	C-CERAMIC.TEMP;CC45 SL TAPG 50V 390-J	
C0303	61407-101-240	C-CERAMIC.TEMP;CC45 SL TAPG 50V 33-J	
C0304	61407-105-250	C-CERAMIC.TEMP;CC45 CH TAPG 50V 39-J	
C0305	61607-402-200	C-ELECTROLYTIC;CE04W TAPG 50V 0.47M	
C0306	61607-402-220	C-ELECTROLYTIC;CE04W TAPG 50V 2.2M	
C0307	61407-101-440	C-CERAMIC.TEMP;CC45 SL TAPG 50V 220-J	
C0309	61607-402-230	C-ELECTROLYTIC;CE04W TAPG 50V 3.3M	
C0310	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0311	61407-101-240	C-CERAMIC.TEMP;CC45 SL TAPG 50V 33-J	
C0312	61407-101-380	C-CERAMIC.TEMP;CC45 SL TAPG 50V 120-J	
C0313	61407-105-280	C-CERAMIC.TEMP;CC45 CH TAPG 50V 56-J	
C0315	61407-101-280	C-CERAMIC.TEMP;CC45 SL TAPG 50V 22-J	
C0316	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
C0317	61507-121-571	C-POLYESTER;CQ921M TAPG 100V 0.068M-J	
C0318	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0319	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0320	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C0321	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0323	61607-401-471	C-ELECTROLYTIC;CE04W TAPG 16V 100M(SG)	
C0325	61607-401-440	C-ELECTROLYTIC;CE04W TAPG 16V 22M	
C0326	61607-402-200	C-ELECTROLYTIC;CE04W TAPG 50V 0.47M	
C0327	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C0328	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C0329	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0330	61407-101-470	C-CERAMIC.TEMP;CC45 SL TAPG 50V 300-J	
C0331	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
C0332	61407-105-860	C-CERAMIC.TEMP;CC45 CH TAPG 50V 10-D	
C0333	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0334	61407-105-250	C-CERAMIC.TEMP;CC45 CH TAPG 50V 39-J	
C0335	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0336	61407-101-200	C-CERAMIC.TEMP;CC45 SL TAPG 50V 22-J	
C0337	61407-101-470	C-CERAMIC.TEMP;CC45 SL TAPG 50V 300-J	
C0338	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0339	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0340	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0341	61407-101-150	C-CERAMIC.TEMP;CC45 SL TAPG 50V 15-J	
C0342	61407-105-300	C-CERAMIC.TEMP;CC45 CH TAPG 50V 68-J	
C0343	61407-101-730	C-CERAMIC.TEMP;CC45 SL TAPG 50V 150-K	
C0344	61407-101-730	C-CERAMIC.TEMP;CC45 SL TAPG 50V 150-K	
C0345	61407-101-240	C-CERAMIC.TEMP;CC45 SL TAPG 50V 33-J	

LOCA.NO	PART-NUMBER	DESCRIPTION;SPECIFICATION	REMARK
C0346	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0347	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0348	61607-401-471	C-ELECTROLYTIC;CE04W TAPG 16V 100M(SG)	
C0349	61607-401-471	C-ELECTROLYTIC;CE04W TAPG 16V 100M(SG)	
C0351	61407-101-360	C-CERAMIC.TEMP;CC45 SL TAPG 50V 100-J	
C0352	61407-105-690	C-CERAMIC.TEMP;CC45 CH TAPG 50V 51-J	
C0353	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0354	61507-121-410	C-POLYESTER;CQ921M TAPG 50V 0.0033M-K	
C0355	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0356	61407-105-160	C-CERAMIC.TEMP;CC45 CH TAPG 50V 18-J	
C0357	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0358	61507-121-390	C-POLYESTER;CQ921M TAPG 100V 0.0022M-K	
C0359	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0360	61407-105-270	C-CERAMIC.TEMP;CC45 CH TAPG 50V 27-J	
C0361	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0362	61407-105-690	C-CERAMIC.TEMP;CC45 CH TAPG 50V 51-J	
C0363	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0364	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0365	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0366	61407-101-420	C-CERAMIC.TEMP;CC45 SL TAPG 50V 180-J	
C0367	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0368	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0369	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0371	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0372	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0373	61407-101-360	C-CERAMIC.TEMP;CC45 SL TAPG 50V 100-J	
C0374	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C0375	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0376	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0377	61407-117-120	C-CERAMIC.AXIAL;TAPG SL 50V 12-J	
C0378	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0379	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0380	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0381	61607-401-471	C-ELECTROLYTIC;CE04W TAPG 16V 100M(SG)	
C0382	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0383	61507-121-571	C-POLYESTER;CQ921M TAPG 100V 0.068M-J	
C0384	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0385	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0386	61407-101-510	C-CERAMIC.TEMP;CC45 SL TAPG 50V 470-J	
C0387	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0388	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0389	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0390	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0391	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0392	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C0393	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C0394	61607-401-221	C-ELECTROLYTIC;CE04W TAPG 16V 220M	
C0394	61607-401-471	C-ELECTROLYTIC;CE04W TAPG 16V 100M(SG)	
C0395	61607-402-230	C-ELECTROLYTIC;CE04W TAPG 50V 3.3M	
C0396	61607-402-230	C-ELECTROLYTIC;CE04W TAPG 50V 3.3M	
C0397	61607-401-630	C-ELECTROLYTIC;CE04W TAPG 35V 4.7M	
C0399	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C3143	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C3144	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C3145	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C3146	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C3147	61607-402-220	C-ELECTROLYTIC;CE04W TAPG 50V 2.2M	
C3148	61607-401-630	C-ELECTROLYTIC;CE04W TAPG 35V 4.7M	
C3149	61407-101-200	C-CERAMIC.TEMP;CC45 SL TAPG 50V 22-J	
C3150	61507-121-511	C-POLTESTER;CQ921M TAPG 100V 0.022M-J	
C3151	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C3152	61607-401-471	C-ELECTROLYTIC;CE04W TAPG 16V 100M(SG)	
CN301	63349-062-410	CONNECTOR-WAFER;5267-12A	
CN302	63349-062-370	CONNECTOR-WAFER;5267-08A	
CN303	63349-062-370	CONNECTOR-WAFER;5267-08A	
CN304	63349-062-380	CONNECTOR-WAFER;5267-09A	
D0301	62169-406-482	DIODE;1N4148 SAMSUNG	
D0302	62169-406-482	DIODE;1N4148 SAMSUNG	
D0304	62169-406-482	DIODE;1N4148 SAMSUNG	
D0306	62169-406-482	DIODE;1N4148 SAMSUNG	
D0307	62169-406-482	DIODE;1N4148 SAMSUNG	
D0308	62169-406-482	DIODE;1N4148 SAMSUNG	
FL0301	64529-401-210	FILTER-LC;SEL 4473	
FL0302	64529-431-085	FILTER LC;SBP 630-T2	
FL0304	64569-006-011	DELAY LINE;MS-31PC-5K	
FL0305	64529-401-200	FILTER-LC;SFB 4141	
IC0301	62119-103-662	IC;LA7323	
IC0302	62119-101-755	IC;MSM6965-3RS	
IC0303	62119-101-735	IC;TA8644N	
IC0305	62119-103-644	IC;LA7311	
L0301	62427-812-151	COIL-PEAKING;EL0606RA-151J(150UH) TAPG	
L0302	62427-812-680	COIL-PEAKING;EL0606RA-680J(68UH) TAPG	
L0303	62427-812-680	COIL-PEAKING;EL0606RA-680J(68UH) TAPG	
L0304	62427-812-221	COIL-PEAKING;EL0606RA-221J(220UH) TAPG	
L0305	62427-812-470	COIL-PEAKING;EL0606RA-470J(47UH) TAPG	
L0306	62427-812-330	COIL-PEAKING;EL0606RA-330H TAPG	
L0307	62427-812-560	COIL-PEAKING;EL0606RA-560J(56UH) TAPG	
L0308	62427-812-220	COIL-PEAKING;EL0606RA-220J(22UH) TAPG	
L0309	62427-812-221	COIL-PEAKING;EL0606RA-221J(220UH) TAPG	
L0311	62427-812-330	COIL-PEAKING;EL0606RA-330H TAPG	

*.S.N.A : SERVICE NOT AVAILABLE.

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LOCA.NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK
L0312	62427-812-330	COIL-PEAKING:EL0606RA-33UH TAPG	
L0313	62427-812-820	COIL-PEAKING:EL0606RA-82UH TAPG	
L0314	62427-812-271	COIL-PEAKING:EL0606RA-271J(270UH) TAPG	
L0315	62427-812-180	COIL-PEAKING:EL0606RA-180J(18UH) TAPG	
L0316	62427-812-100	COIL-PEAKING:EL0606RA-100J(10UH) TAPG	
L0317	62427-812-470	COIL-PEAKING:EL0606RA-470J(47UH) TAPG	
L0318	62427-812-150	COIL-PEAKING:EL0606RA-150J(15UH) TAPG	
L0321	62429-833-101	COIL-PEAKING AXIAL:BAL04ST 101K	
L0322	62429-833-101	COIL-PEAKING AXIAL:BAL04ST 101K	
L0324	62429-833-101	COIL-PEAKING AXIAL:BAL04ST 101K	
Q0301	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0302	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0303	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0304	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0305	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0306	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0307	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0308	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0311	62137-701-023	TRANSISTOR:KSR 2004 TAPG	
Q0312	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0313	62137-701-010	TRANSISTOR:KSR 1001 TAPG	
Q0314	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0315	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0316	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0317	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0318	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0319	62137-701-020	TRANSISTOR:KSR 2001 TAPG	
R0301	61048-177-272	R-METAL FILM:RM 1/8TS 2.7K-J	
R0302	61048-177-681	R-METAL FILM:RM 1/8TS 680-J	
R0303	61048-177-332	R-METAL FILM:RM 1/8TS 3.3K-J	
R0304	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0305	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0306	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0307	61048-177-302	R-METAL FILM:RM 1/8TS 3K-J	
R0308	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0309	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0310	61048-177-472	R-METAL FILM:RM 1/8TS 4.7K-J	
R0311	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0312	61048-177-562	R-METAL FILM:RM 1/8TS 5.6K-J	
R0313	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0314	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0315	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0316	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0317	61048-177-682	R-METAL FILM:RM 1/8TS 6.8K-J	
R0318	61048-177-122	R-METAL FILM:RM 1/8TS 1.2K-J	
R0319	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0320	61048-177-332	R-METAL FILM:RM 1/8TS 3.3K-J	
R0321	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0323	61048-177-474	R-METAL FILM:RM 1/8TS 470K-J	
R0324	61048-177-153	R-METAL FILM:RM 1/8TS 15K-J	
R0325	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0327	61048-177-153	R-METAL FILM:RM 1/8TS 15K-J	
R0328	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0330	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0331	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0332	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0333	61048-177-391	R-METAL FILM:RM 1/8TS 390-J	
R0334	61048-177-391	R-METAL FILM:RM 1/8TS 390-J	
R0335	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0336	61048-177-562	R-METAL FILM:RM 1/8TS 5.6K-J	
R0337	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0338	61048-177-911	R-METAL FILM:RM 1/8TS 910-J	
R0339	61048-177-272	R-METAL FILM:RM 1/8TS 2.7K-J	
R0340	61048-177-181	R-METAL FILM:RM 1/8TS 180-J	
R0341	61048-177-561	R-METAL FILM:RM 1/8TS 560-J	
R0343	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0344	61048-177-181	R-METAL FILM:RM 1/8TS 180-J	
R0345	61048-177-821	R-METAL FILM:RM 1/8TS 820-J	
R0346	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0347	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0348	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0351	61048-177-472	R-METAL FILM:RM 1/8TS 4.7K-J	
R0352	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R0353	61048-177-392	R-METAL FILM:RM 1/8TS 3.9K-J	
R0354	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0355	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0356	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0357	61048-177-474	R-METAL FILM:RM 1/8TS 470K-J	
R0358	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0359	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0360	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R0361	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R0362	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0363	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0364	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0365	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0367	61048-177-821	R-METAL FILM:RM 1/8TS 820-J	
R0368	61048-177-271	R-METAL FILM:RM 1/8TS 270-J	
R0369	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R0371	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0372	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0373	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0374	61048-177-393	R-METAL FILM:RM 1/8TS 39K-J	
R0375	61048-177-153	R-METAL FILM:RM 1/8TS 15K-J	
R0376	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0377	61048-177-561	R-METAL FILM:RM 1/8TS 560-J	
R0378	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0379	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0380	61048-177-271	R-METAL FILM:RM 1/8TS 270-J	
R0381	61048-177-122	R-METAL FILM:RM 1/8TS 1.2K-J	
R0382	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0384	61048-177-473	R-METAL FILM:RM 1/8TS 47K-J	
R0385	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0386	61048-177-153	R-METAL FILM:RM 1/8TS 15K-J	
R0387	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0390	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0391	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0392	61048-177-331	R-METAL FILM:RM 1/8TS 330-J	
R0393	61048-177-821	R-METAL FILM:RM 1/8TS 820-J	
R0394	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0396	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0397	61048-177-821	R-METAL FILM:RM 1/8TS 820-J	
R0398	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R0399	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R3109	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R3150	61048-177-473	R-METAL FILM:RM 1/8TS 47K-J	
R3152	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R3153	61048-177-561	R-METAL FILM:RM 1/8TS 560-J	
R3154	61048-177-391	R-METAL FILM:RM 1/8TS 390-J	
VR#301	61246-105-472	VR-SEMI:RH0615C 4.7KB	
VR0302	61246-105-223	VR-SEMI:RH0615C 22KB	
VR0303	61246-105-223	VR-SEMI:RH0615C 22KB	
VR0304	61246-105-472	VR-SEMI:RH0615C 4.7KB	
VR0305	61246-105-102	VR-SEMI:RH0615C 1KB	
VR0306	61246-105-102	VR-SEMI:RH0615C 1KB	
VR0307	61246-105-103	VR-SEMI:RH0615C 10KB	
XTAL1	64539-812-040	CRYSTAL:4.433619MHZ	
MAIN-B	VIDEO PARTS	: USED ONLY FOR VD/VT-8225 MODEL	
	63005-006-917	PWB MAIN(B):94V01.6X122X249(VX8225)	S.N.A
	63054-211-090	WIRE-GND ASSY:1007 #18 190 BLK AA	S.N.A
	63054-211-180	WIRE-GND ASSY:1007 #18 270 BLK AA	S.N.A
	63054-211-180	WIRE-GND ASSY:1007 #18 270 BLK AA	S.N.A
	63054-301-600	WIRE-SHIELD:1533-11 #26 150 ORG AA	S.N.A
C0301	61409-101-070	C-CERAMIC.TEMP:CC45 SL 50V 5-D	
C0302	61407-101-490	C-CERAMIC.TEMP:CC45 SL TAPG 50V 390-J	
C0303	61407-101-240	C-CERAMIC.TEMP:CC45 SL TAPG 50V 33-J	
C0304	61407-105-256	C-CERAMIC.TEMP:CC45 CH TAPG 50V 39-J	
C0305	61607-402-200	C-ELECTROLYTIC:CE04W TAPG 50V 0.47M	
C0306	61607-402-220	C-ELECTROLYTIC:CE04W TAPG 50V 2.2M	
C0307	61407-101-440	C-CERAMIC.TEMP:CC45 SL TAPG 50V 220-J	
C0308	61409-101-270	C-CERAMIC.TEMP:CC45 SL 50V 47-J	
C0309	61607-402-230	C-ELECTROLYTIC:CE04W TAPG 50V 3.3M	
C0310	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0311	61407-101-240	C-CERAMIC.TEMP:CC45 SL TAPG 50V 33-J	
C0312	61407-101-380	C-CERAMIC.TEMP:CC45 SL TAPG 50V 120-J	
C0313	61407-105-280	C-CERAMIC.TEMP:CC45 CH TAPG 50V 56-J	
C0315	61407-101-200	C-CERAMIC.TEMP:CC45 SL TAPG 50V 22-J	
C0316	61407-105-320	C-CERAMIC.TEMP:CC45 CH TAPG 50V 82-J	
C0317	61507-121-571	C-POLYESTER:CQ921W TAPG 100V 0.068M-J	
C0318	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0319	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0320	61607-401-430	C-ELECTROLYTIC:CE04W TAPG 25V 10M	
C0321	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0323	61607-161-101	C-ELECTROLYTIC:CE04W TAPG 10V 100M(LL)	
C0325	61607-401-440	C-ELECTROLYTIC:CE04W TAPG 16V 22M	
C0326	61607-402-200	C-ELECTROLYTIC:CE04W TAPG 50V 0.47M	
C0327	61607-401-430	C-ELECTROLYTIC:CE04W TAPG 25V 10M	
C0328	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C0329	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0330	61407-101-470	C-CERAMIC.TEMP:CC45 SL TAPG 50V 300-J	
C0331	61407-105-320	C-CERAMIC.TEMP:CC45 CH TAPG 50V 82-J	
C0332	61407-105-860	C-CERAMIC.TEMP:CC45 CH TAPG 50V 10-D	
C0333	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0334	61407-105-250	C-CERAMIC.TEMP:CC45 CH TAPG 50V 39-J	
C0335	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0336	61407-101-200	C-CERAMIC.TEMP:CC45 SL TAPG 50V 22-J	
C0337	61407-101-470	C-CERAMIC.TEMP:CC45 SL TAPG 50V 300-J	
C0338	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0339	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0340	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0341	61407-101-160	C-CERAMIC.TEMP:CC45 SL TAPG 50V 15-J	
C0342	61407-105-300	C-CERAMIC.TEMP:CC45 CH TAPG 50V 68-J	
C0343	61407-101-730	C-CERAMIC.TEMP:CC45 SL TAPG 50V 150-K	
C0344	61407-101-730	C-CERAMIC.TEMP:CC45 SL TAPG 50V 150-K	
C0345	61407-101-240	C-CERAMIC.TEMP:CC45 SL TAPG 50V 33-J	
C0346	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	

*:S.N.A :SERVICE NOT AVAILABLE

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LOCA.NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK
C0347	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0348	61607-161-101	C-ELECTROLYTIC:CE04W TAPG 10V 100M(LL)	
C0349	61607-161-101	C-ELECTROLYTIC:CE04W TAPG 10V 100M(LL)	
C0352	61407-105-690	C-CERAMIC.TEMP:CC45 CH TAPG 50V 51-J	
C0353	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0354	61507-121-410	C-POLYESTER:CQ921M TAPG 50V 0.0033M-K	
C0355	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0356	61407-105-160	C-CERAMIC.TEMP:CC45 CH TAPG 50V 18-J	
C0357	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0358	61507-121-390	C-POLYESTER:CQ921M TAPG 100V 0.0022M-K	
C0359	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0360	61407-105-270	C-CERAMIC.TEMP:CC45 CH TAPG 50V 27-J	
C0361	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0362	61407-105-690	C-CERAMIC.TEMP:CC45 CH TAPG 50V 51-J	
C0363	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0364	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0365	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0366	61407-101-420	C-CERAMIC.TEMP:CC45 SL TAPG 50V 180 J	
C0367	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0368	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0369	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0371	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0372	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0373	61407-101-360	C-CERAMIC.TEMP:CC45 SL TAPG 50V 100-J	
C0374	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C0375	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0376	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0377	61407-117-120	C-CERAMIC.AXIAL:TAPG SL 50V 12-J	
C0378	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0379	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0380	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0381	61607-161-101	C-ELECTROLYTIC:CE04W TAPG 10V 100M(LL)	
C0382	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0383	61507-121-571	C-POLYESTER:CQ921M TAPG 100V 0.068M-J	
C0384	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0385	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0386	61407-101-510	C-CERAMIC.TEMP:CC45 SL TAPG 50V 470-J	
C0387	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0388	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0389	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C0399	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C3143	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3144	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3145	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3146	61607-401-460	C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	
C3147	61607-402-220	C-ELECTROLYTIC:CE04W TAPG 50V 2.2M	
C3148	61607-401-630	C-ELECTROLYTIC:CE04W TAPG 35V 4.7M	
C3149	61407-101-200	C-CERAMIC.TEMP:CC45 SL TAPG 50V 22-J	
C3151	61407-117-104	C-CERAMIC AXIAL:TAPG Y 16V 0.01-N	
C3152	61607-161-101	C-ELECTROLYTIC:CE04W TAPG 10V 100M(LL)	
CN301	63349-062-410	CONNECTOR-WAFER:5267-12A	
CN302	63349-062-370	CONNECTOR-WAFER:5267-08A	
CN303	63349-062-370	CONNECTOR-WAFER:5267-08A	
CN304	63349-062-380	CONNECTOR-WAFER:5267-09A	
D0301	62169-406-482	DIODE:1N4148 SAMSUNG	
D0302	62169-406-482	DIODE:1N4148 SAMSUNG	
D0304	62169-406-482	DIODE:1N4148 SAMSUNG	
D0306	62169-406-482	DIODE:1N4148 SAMSUNG	
FL0301	64529-401-210	FILTER-LC:SEL 4473	
FL0302	64529-431-085	FILTER LC:SBP 630-T2	
FL0304	64569-006-011	DELAY LINE:MS-31PC-5K	
FL0305	64529-401-200	FILTER-LC:SFB 4141	
IC0301	62119-103-662	IC:LA7323	
IC0302	62119-101-755	IC:MSM6965-3RS	
IC0303	62119-101-735	IC:TA8644N	
L0301	62427-812-151	COIL-PEAKING:EL0606RA-151J(150UH) TAPG	
L0302	62427-812-680	COIL-PEAKING:EL0606RA-680J(68UH) TAPG	
L0303	62427-812-680	COIL-PEAKING:EL0606RA-680J(68UH) TAPG	
L0304	62427-812-221	COIL-PEAKING:EL0606RA-221J(220UH) TAPG	
L0305	62427-812-470	COIL-PEAKING:EL0606RA-470J(47UH) TAPG	
L0306	62427-813-330	COIL-PEAKING:EL0607RA-330K(33UH) TAPG	
L0307	62427-812-560	COIL-PEAKING:EL0606RA-560J(56UH) TAPG	
L0308	62427-812-220	COIL-PEAKING:EL0606RA-220J(22UH) TAPG	
L0309	62427-812-221	COIL-PEAKING:EL0606RA-221J(220UH) TAPG	
L0310	62427-812-220	COIL-PEAKING:EL0606RA-220J(22UH) TAPG	
L0311	62427-813-330	COIL-PEAKING:EL0607RA-330K(33UH) TAPG	
L0312	62427-813-330	COIL-PEAKING:EL0607RA-330K(33UH) TAPG	
L0313	62427-812-820	COIL-PEAKING:EL0606RA-820H TAPG	
L0314	62427-812-271	COIL-PEAKING:EL0606RA-271J(270UH) TAPG	
L0315	62427-812-180	COIL-PEAKING:EL0606RA-180J(18UH) TAPG	
L0316	62427-812-100	COIL-PEAKING:EL0606RA-100J(10UH) TAPG	
L0317	62427-812-470	COIL-PEAKING:EL0606RA-470J(47UH) TAPG	
L0318	62427-812-150	COIL-PEAKING:EL0606RA-150J(15UH) TAPG	
L0321	62429-833-101	COIL-PEAKING AXIAL:BAL04ST 101K	
L0322	62429-833-101	COIL-PEAKING AXIAL:BAL04ST 101K	
L0324	62429-833-101	COIL-PEAKING AXIAL:BAL04ST 101K	
Q0301	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0302	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0303	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0304	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0305	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0306	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0307	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0308	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0311	62137-701-023	TRANSISTOR:KSR 2004 TAPG	
Q0312	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0313	62137-701-010	TRANSISTOR:KSR 1001 TAPG	
Q0314	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0315	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0316	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
Q0317	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q0318	62137-302-740	TRANSISTOR:KSC 945-Y TAPG	
R0301	61048-177-272	R-METAL FILM:RM 1/8TS 2.7K-J	
R0302	61048-177-681	R-METAL FILM:RM 1/8TS 680-J	
R0303	61048-177-332	R-METAL FILM:RM 1/8TS 3.3K-J	
R0304	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0305	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0306	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0307	61048-177-302	R-METAL FILM:RM 1/8TS 3K-J	
R0308	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0309	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0310	61048-177-472	R-METAL FILM:RM 1/8TS 4.7K-J	
R0311	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0312	61048-177-562	R-METAL FILM:RM 1/8TS 5.6K-J	
R0313	61048-177-105	R-METAL FILM:RM 1/8TS 1M-J	
R0314	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0315	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0316	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0317	61048-177-682	R-METAL FILM:RM 1/8TS 6.8K-J	
R0318	61048-177-122	R-METAL FILM:RM 1/8TS 1.2K-J	
R0319	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0320	61048-177-332	R-METAL FILM:RM 1/8TS 3.3K-J	
R0321	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0323	61048-177-474	R-METAL FILM:RM 1/8TS 470K-J	
R0324	61048-177-153	R-METAL FILM:RM 1/8TS 15K-J	
R0325	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0327	61048-177-153	R-METAL FILM:RM 1/8TS 15K-J	
R0328	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0330	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0331	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0332	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0333	61048-177-391	R-METAL FILM:RM 1/8TS 390-J	
R0334	61048-177-391	R-METAL FILM:RM 1/8TS 390-J	
R0335	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0336	61048-177-562	R-METAL FILM:RM 1/8TS 5.6K-J	
R0337	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0338	61048-177-911	R-METAL FILM:RM 1/8TS 910-J	
R0339	61048-177-272	R-METAL FILM:RM 1/8TS 2.7K-J	
R0340	61048-177-181	R-METAL FILM:RM 1/8TS 180-J	
R0341	61048-177-561	R-METAL FILM:RM 1/8TS 560-J	
R0343	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0344	61048-177-181	R-METAL FILM:RM 1/8TS 180-J	
R0345	61048-177-821	R-METAL FILM:RM 1/8TS 820-J	
R0346	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0347	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0348	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0351	61048-177-472	R-METAL FILM:RM 1/8TS 4.7K-J	
R0353	61048-177-392	R-METAL FILM:RM 1/8TS 3.9K-J	
R0354	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0355	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R0356	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0357	61048-177-474	R-METAL FILM:RM 1/8TS 470K-J	
R0358	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0359	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0360	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R0361	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R0362	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0363	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0364	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0365	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0367	61048-177-821	R-METAL FILM:RM 1/8TS 820-J	
R0368	61048-177-271	R-METAL FILM:RM 1/8TS 270-J	
R0369	61048-177-223	R-METAL FILM:RM 1/8TS 22K-J	
R0371	61048-177-222	R-METAL FILM:RM 1/8TS 2.2K-J	
R0372	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0373	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0374	61048-177-393	R-METAL FILM:RM 1/8TS 39K-J	
R0375	61048-177-153	R-METAL FILM:RM 1/8TS 15K-J	
R0376	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0377	61048-177-561	R-METAL FILM:RM 1/8TS 560-J	
R0378	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0379	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0380	61048-177-271	R-METAL FILM:RM 1/8TS 270-J	
R0381	61048-177-122	R-METAL FILM:RM 1/8TS 1.2K-J	
R0382	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0384	61048-177-473	R-METAL FILM:RM 1/8TS 47K-J	
R0385	61048-177-333	R-METAL FILM:RM 1/8TS 33K-J	
R0386	61048-177-153	R-METAL FILM:RM 1/8TS 15K-J	
R0387	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R0390	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	

*.S.N.A :SERVICE NOT AVAILABLE.

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LOCA.NO	PART-NUMBER	DESCRIPTION;SPECIFICATION	REMARK
R0391	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R0392	61048-177-331	R-METAL FILM;RM 1/8TS 330-J	
R0393	61048-177-821	R-METAL FILM;RM 1/8TS 820-J	
R3152	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R3153	61048-177-561	R-METAL FILM;RM 1/8TS 560-J	
R3154	61048-177-391	R-METAL FILM;RM 1/8TS 390-J	
VR0301	61246-185-472	VR-SEMI;RH0615C 4.7KB	
VR0302	61246-185-223	VR-SEMI;RH0615C 22KB	
VR0303	61246-185-223	VR-SEMI;RH0615C 22KB	
VR0304	61246-185-472	VR-SEMI;RH0615C 4.7KB	
VR0305	61246-185-102	VR-SEMI;RH0615C 1KB	
VR0306	61246-185-102	VR-SEMI;RH0615C 1KB	
VR0307	61246-185-103	VR-SEMI;RH0615C 10KB	
XTAL1	64539-012-040	CRYSTAL;4.433619MHZ	
		ASSY MAIN A	
MAIN-A	69857-603-009	ASSY MAIN A;VK-8220	
MAIN-A	69857-603-040	ASSY MAIN A;VX-8220/8220M	
MAIN-A	69857-603-090	ASSY MAIN A;VX-8220E	
MAIN-A	69857-603-030	ASSY MAIN A;VI-8220	
MAIN-A	69857-603-002	ASSY MAIN A;VX-8225	
MAIN-A	69857-603-730	ASSY MAIN A;VI-8225	
MAIN-A	69857-603-050	ASSY MAIN A;VD-8225	
MAIN-A	69857-603-080	ASSY MAIN A;VB-8220A	
MAIN-A	POWER PARTS	: POWER COMMON PARTS	
	65684-602-500	HEAT-SINK TR;A1050P-H14 T1.0	
	67158-230-081	SCREW-TAP BH;2-3X8 FE FZY	
C121	61609-152-331	C-ELECTROLYTIC;CE04W 25V 330M	
C122	61609-152-331	C-ELECTROLYTIC;CE04W 25V 330M	
C123	61609-401-480	C-ELECTROLYTIC;CE04W 16V 220M	
C124	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C199	61507-121-260	C-POLYESTER;CQ921M TAPG 50V 0.1M-J	
D109	62169-406-482	DIODE;1N4148 SAMSUNG	
D110	62169-406-482	DIODE;1N4148 SAMSUNG	
D112	62169-406-482	DIODE;1N4148 SAMSUNG	
D114	62169-201-050	DIODE;1N4001	
L105	62427-813-330	COIL-PEAKING;EL0607RA-330K(33UH) TAPG	
Q105	62149-202-060	TRANSISTOR;KSB772(N.M)	
Q106	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q107	62139-302-450	TRANSISTOR;KSC2328Y	
Q109	62139-302-450	TRANSISTOR;KSC2328Y	
Q110	62139-701-055	TRANSISTOR;KSA928A-Y	
Q111	62137-701-010	TRANSISTOR;KSR 1001 TAPG	
Q112	62139-701-055	TRANSISTOR;KSA928A-Y	
Q113	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q114	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
R123	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R124	61048-277-181	R-METAL FILM;RM 1/4T 180-J	
R125	61048-277-271	R-METAL FILM;RM 1/4T 270-J	
R128	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R129	61048-177-472	R-METAL FILM;RM 1/8TS 4.7K-J	
R130	61048-177-332	R-METAL FILM;RM 1/8TS 3.3K-J	
R131	61048-177-332	R-METAL FILM;RM 1/8TS 3.3K-J	
ZD104	62169-403-826	DIODE-ZENER;MTZ 12B (UZ12BL)	
ZD105	62169-403-824	DIODE-ZENER;MTZ 9.1B (UZ9.1BL)	
MAIN-A	SYSCON PARTS	: SYSCON COMMON PARTS	
C603	61507-121-470	C-POLYESTER;CQ921M TAPG 100V 0.01M-K	
C604	61417-109-210	C-CERAMIC.HK;CK45 F TAPG 50V 0.1M-Z	
C605	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C606	61417-109-210	C-CERAMIC.HK;CK45 F TAPG 50V 0.1M-Z	
C607	61417-109-040	C-CERAMIC.HK;CK45 F TAPG 50V 0.001M-Z	
C608	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C609	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C610	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C611	61417-109-280	C-CERAMIC.HK;CK45 F TAPG 50V 0.047M-Z	
C612	61607-401-440	C-ELECTROLYTIC;CE04W TAPG 16V 22M	
C613	61609-401-472	C-ELECTROLYTIC;CE04W 10V 4700M	
C614	61607-402-230	C-ELECTROLYTIC;CE04W TAPG 50V 3.3M	
C617	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C618	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C619	61607-402-421	C-ELECTROLYTIC;CE04W TAPG 25V 0.22M	
C620	61407-105-250	C-CERAMIC.TEMP;CC45 CH TAPG 50V 39-J	
C621	61407-105-330	C-CERAMIC.TEMP;CC45 CH TAPG 50V 33-J	
C622	61507-121-340	C-POLYESTER;CQ921M TAPG 100V 0.001M-K	
C623	61607-402-230	C-ELECTROLYTIC;CE04W TAPG 50V 3.3M	
D601	62169-406-482	DIODE;1N4148 SAMSUNG	
D602	62169-406-482	DIODE;1N4148 SAMSUNG	
D603	62169-406-482	DIODE;1N4148 SAMSUNG	
D604	62169-406-482	DIODE;1N4148 SAMSUNG	
D605	62169-406-482	DIODE;1N4148 SAMSUNG	
D606	62169-406-482	DIODE;1N4148 SAMSUNG	
D607	62169-406-482	DIODE;1N4148 SAMSUNG	
D608	62169-406-482	DIODE;1N4148 SAMSUNG	
D609	62169-406-482	DIODE;1N4148 SAMSUNG	
D610	62169-406-482	DIODE;1N4148 SAMSUNG	

LOCA.NO	PART-NUMBER	DESCRIPTION;SPECIFICATION	REMARK
IC601	62119-103-121	IC;UPD 75106CW-126	
IC602	62119-101-338	IC;CAT93C46P	
Q601	62137-701-010	TRANSISTOR;KSR 1001 TAPG	
Q602	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q603	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
R601	61048-177-472	R-METAL FILM;RM 1/8TS 4.7K-J	
R602	61048-177-472	R-METAL FILM;RM 1/8TS 4.7K-J	
R603	61048-177-472	R-METAL FILM;RM 1/8TS 4.7K-J	
R604	61048-177-472	R-METAL FILM;RM 1/8TS 4.7K-J	
R605	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R606	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R609	61048-177-473	R-METAL FILM;RM 1/8TS 47K-J	
R610	61048-177-472	R-METAL FILM;RM 1/8TS 4.7K-J	
R611	61048-177-104	R-METAL FILM;RM 1/8TS 100K-J	
R612	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R613	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R614	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R615	61048-177-330	R-METAL FILM;RM 1/8TS 33-J	
R616	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R617	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R618	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R619	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R620	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R621	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R622	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R623	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R624	61048-177-472	R-METAL FILM;RM 1/8TS 4.7K-J	
R625	61048-177-472	R-METAL FILM;RM 1/8TS 4.7K-J	
R626	61048-177-472	R-METAL FILM;RM 1/8TS 4.7K-J	
R628	61048-177-823	R-METAL FILM;RM 1/8TS 82K-J	
R629	61048-177-104	R-METAL FILM;RM 1/8TS 100K-J	
R630	61048-177-472	R-METAL FILM;RM 1/8TS 4.7K-J	
R631	61048-177-472	R-METAL FILM;RM 1/8TS 4.7K-J	
R633	61048-177-123	R-METAL FILM;RM 1/8TS 12K-J	
R636	61048-177-470	R-METAL FILM;RM 1/8TS 47-J	
R637	61048-177-202	R-METAL FILM;RM 1/8TS 2K-J	
R638	61048-177-562	R-METAL FILM;RM 1/8TS 5.6K-J	
R640	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R641	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R644	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R645	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R646	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R647	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R648	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R651	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R660	61048-177-182	R-METAL FILM;RM 1/8TS 1.8K-J	
XT601	64539-012-046	CRYSTAL;HC-18U(4.194304 MHZ)	
MAIN-A	SERVO PARTS	: SERVO COMMON PARTS	
	63054-222-060	WIRE-JUMPER(H-WRAP);1007 #26-SOLD WHT 60	S.N.A
C2	61507-121-520	C-POLYESTER;CQ921M TAPG 50V 0.027M-K	
C201	61507-121-600	C-POLYESTER;CQ921M TAPG 100V 0.056M-K	
C202	61507-121-260	C-POLYESTER;CQ921M TAPG 50V 0.1M-J	
C203	61507-121-600	C-POLYESTER;CQ921M TAPG 100V 0.056M-K	
C204	61507-121-600	C-POLYESTER;CQ921M TAPG 100V 0.056M-K	
C205	61507-121-420	C-POLYESTER;CQ921M TAPG 100V 0.0039-K	
C206	61507-121-260	C-POLYESTER;CQ921M TAPG 50V 0.1M-J	
C207	61607-803-730	C-ELECTROLYTIC.NP;CE04W TAPG 16V 4.7M	
C208	61507-121-480	C-POLYESTER;CQ921M TAPG 100V 0.015M-K	
C209	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C210	61607-402-220	C-ELECTROLYTIC;CE04W TAPG 50V 2.2M	
C211	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C212	61607-803-730	C-ELECTROLYTIC.NP;CE04W TAPG 16V 4.7M	
C213	61507-121-480	C-POLYESTER;CQ921M TAPG 100V 0.015M-K	
C214	61607-401-630	C-ELECTROLYTIC;CE04W TAPG 35V 4.7M	
C215	61507-121-471	C-POLYESTER;CQ921M TAPG 50V 0.01M-J	
C216	61507-121-470	C-POLYESTER;CQ921M TAPG 100V 0.01M-K	
C217	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C218	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C219	61507-121-471	C-POLYESTER;CQ921M TAPG 50V 0.01M-J	
C220	61607-402-200	C-ELECTROLYTIC;CE04W TAPG 50V 0.47M	
C221	61407-101-360	C-CERAMIC.TEMP;CC45 SL TAPG 50V 100-J	
C222	61507-121-471	C-POLYESTER;CQ921M TAPG 50V 0.01M-J	
C223	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C224	61507-121-340	C-POLYESTER;CQ921M TAPG 100V 0.001M-K	
C226	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C227	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C228	61607-401-471	C-ELECTROLYTIC;CE04W TAPG 16V 100M(SG)	
C229	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C230	61507-121-510	C-POLYESTER;CQ921M TAPG 100V 0.022M-K	
C231	61507-121-510	C-POLYESTER;CQ921M TAPG 100V 0.022M-K	
C232	61607-402-220	C-ELECTROLYTIC;CE04W TAPG 50V 2.2M	
C233	61507-121-440	C-POLYESTER;CQ921M TAPG 100V 0.0056M-K	
C235	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C236	61417-104-690	C-CERAMIC.HK;CK45 F TAPG 50V 0.056M-Z	
C237	61417-104-690	C-CERAMIC.HK;CK45 F TAPG 50V 0.056M-Z	
CN202	63349-062-310	CONNECTOR-WAFER;5267-02A	
CN203	63349-062-370	CONNECTOR-WAFER;5267-08A	
D0315	62169-406-482	DIODE;1N4148 SAMSUNG	

*.S.N.A :SERVICE NOT AVAILABLE.

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LOCA.NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK
D201	62169-406-482	DIODE;1N4148 SAMSUNG	
D202	62169-406-482	DIODE;1N4148 SAMSUNG	
D203	62169-406-482	DIODE;1N4148 SAMSUNG	
D204	62169-406-482	DIODE;1N4148 SAMSUNG	
D205	62169-406-482	DIODE;1N4148 SAMSUNG	
D206	62169-406-482	DIODE;1N4148 SAMSUNG	
D207	62169-406-482	DIODE;1N4148 SAMSUNG	
D208	62169-406-482	DIODE;1N4148 SAMSUNG	
IC201	62119-401-860	IC;HD49735NT	
Q201	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q203	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q204	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q205	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q207	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q208	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q209	62137-701-010	TRANSISTOR;KSR 1001 TAPG	
R0321	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
R0349	61048-177-104	R-METAL FILM;RM 1/8TS 100K-J	
R0349	61048-177-104	R-METAL FILM;RM 1/8TS 100K-J	
R201	61048-177-224	R-METAL FILM;RM 1/8TS 220K-J	
R202	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R203	61048-177-333	R-METAL FILM;RM 1/8TS 33K-J	
R204	61048-177-682	R-METAL FILM;RM 1/8TS 6.8K-J	
R206	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R207	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R208	61048-177-105	R-METAL FILM;RM 1/8TS 1M-J	
R209	61048-177-104	R-METAL FILM;RM 1/8TS 100K-J	
R210	61048-177-563	R-METAL FILM;RM 1/8TS 56K-J	
R211	61048-177-154	R-METAL FILM;RM 1/8TS 150K-J	
R212	61048-177-154	R-METAL FILM;RM 1/8TS 150K-J	
R213	61048-177-105	R-METAL FILM;RM 1/8TS 1M-J	
R214	61048-177-474	R-METAL FILM;RM 1/8TS 470K-J	
R215	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R216	61048-177-153	R-METAL FILM;RM 1/8TS 15K-J	
R217	61048-177-512	R-METAL FILM;RM 1/8TS 5.1K-J	
R218	61048-177-274	R-METAL FILM;RM 1/8TS 270K-J	
R219	61048-177-105	R-METAL FILM;RM 1/8TS 1M-J	
R220	61048-177-273	R-METAL FILM;RM 1/8TS 27K-J	
R221	61048-177-154	R-METAL FILM;RM 1/8TS 150K-J	
R223	61048-177-823	R-METAL FILM;RM 1/8TS 82K-J	
R225	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R226	61048-177-182	R-METAL FILM;RM 1/8TS 1.8K-J	
R227	61048-177-750	R-METAL FILM;RM 1/8TS 75-J	
R229	61048-177-104	R-METAL FILM;RM 1/8TS 100K-J	
R230	61048-177-224	R-METAL FILM;RM 1/8TS 220K-J	
R231	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R232	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R234	61048-177-272	R-METAL FILM;RM 1/8TS 2.7K-J	
R235	61048-177-472	R-METAL FILM;RM 1/8TS 4.7K-J	
R236	61048-177-105	R-METAL FILM;RM 1/8TS 1M-J	
R237	61048-177-181	R-METAL FILM;RM 1/8TS 180-J	
R238	61048-177-183	R-METAL FILM;RM 1/8TS 18K-J	
R239	61048-177-681	R-METAL FILM;RM 1/8TS 680-J	
R240	61048-177-821	R-METAL FILM;RM 1/8TS 820-J	
R241	61048-177-332	R-METAL FILM;RM 1/8TS 3.3K-J	
R242	61048-177-151	R-METAL FILM;RM 1/8TS 150-J	
R243	61048-177-184	R-METAL FILM;RM 1/8TS 180K-J	
R244	61048-177-104	R-METAL FILM;RM 1/8TS 100K-J	
R245	61048-177-154	R-METAL FILM;RM 1/8TS 150K-J	
R246	61048-177-152	R-METAL FILM;RM 1/8TS 1.5K-J	
R247	61048-177-273	R-METAL FILM;RM 1/8TS 27K-J	
R614	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
TP201	63124-103-330	PIN-TEST POINT;BSW 1/4H P11.0 SN	S.N.A
TP204	63124-103-330	PIN-TEST POINT;BSW 1/4H P11.0 SN	S.N.A
VR201	61246-105-474	VR-SEMI;RH0615C 470KB	
VR202	61246-105-104	VR-SEMI;RH0615C 100KB	
VR203	61246-105-104	VR-SEMI;RH0615C 100KB	
W9	62169-406-482	DIODE;1N4148 SAMSUNG	

MAIN-A	TUNER PARTS	: USED ONLY FOR VK-8220 MODEL	
	62569-002-256	RF-CONVERTER;RUS7361I CBL	
	63054-401-670	CABLE-COAXIAL ASSY;UL B65 AWG 100 AA	
	63344-010-280	HOLDER JACK;G-7 PAL(SCART)	
	63104-600-110	GROUND-CAP;PBSS T0.5 G-7C	
	64519-903-170	TUNER;TERE 7X008A	
	63054-222-270	WIRE-JUMPER(H-WRAP);1007 #26-SOLD WHT 27	S.N.A
	63054-211-140	WIRE-GND;107 #18 BLK 140M/M(YY)	S.N.A
	63954-100-320	CERAMIC-PIPE;PI2.6 5MM WHT	S.N.A
146	64543-603-410	SHIELD CASE TOP;SPTE T0.25(G-7W PAL)	S.N.A
147	64543-603-110	SHIELD CASE BODY;SPTE T0.25(G-7W PAL)	S.N.A
C	61607-401-471	C-ELECTROLYTIC;CE04W TAPG 16V 100M(SG)	
C401	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C403	61407-101-230	C-CERAMIC.TEMP;CC45 SL TAPG 50V 27-J	
C404	61407-105-250	C-CERAMIC.TEMP;CC45 CH TAPG 50V 39-J	
C405	61407-101-200	C-CERAMIC.TEMP;CC45 SL TAPG 50V 22-J	
C406	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C407	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C409	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C410	61607-401-440	C-ELECTROLYTIC;CE04W TAPG 16V 22M	

LOCA.NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK
C411	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C412	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C413	61607-402-200	C-ELECTROLYTIC;CE04W TAPG 50V 0.47M	
C414	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C415	61609-401-500	C-ELECTROLYTIC;CE04W 16V 470M	
C416	61407-101-121	C-CERAMIC.TEMP;CC45 SL TAPG 50V 10-D	
C417	61607-402-421	C-ELECTROLYTIC;CE04W TAPG 25V 0.22M	
C418	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C419	61417-109-220	C-CERAMIC.HK;CK45 F TAPG 50V 0.022M-Z	
C420	61507-121-510	C-POLYESTER;CQ921M TAPG 100V 0.022M-K	
C421	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C422	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C423	61507-121-630	C-POLTESTER;CQ921M TAPG 100V 0.012MK	
C424	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C425	61407-105-640	C-CERAMIC.TEMP;CC45 CH TAPG 50V 2-C	
C426	61609-401-500	C-ELECTROLYTIC;CE04W 16V 470M	
C427	61407-101-483	C-CERAMIC TEMP;CC45 SL TAPG 50V 47J	
C428	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C429	61609-401-500	C-ELECTROLYTIC;CE04W 16V 470M	
C430	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C431	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
C432	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C433	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C434	61417-109-210	C-CERAMIC.HK;CK45 F TAPG 50V 0.1M-Z	
C436	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
C450	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
CN604	63349-062-310	CONNECTOR-WAFER;S267-02A	
D401	62169-406-482	DIODE;1N4148 SAMSUNG	
DC01	61407-101-460	C-CERAMIC.TEMP;CC45 SL TAPG 50V 270-J	
DC02	61507-121-260	C-POLYESTER;CQ921M TAPG 50V 0.1M-J	
DC03	61407-101-230	C-CERAMIC.TEMP;CC45 SL TAPG 50V 27-J	
DC04	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
DC05	61407-101-170	C-CERAMIC TEMP;CC45 SL TAPG 50V 150-J	
DC06	61407-101-170	C-CERAMIC TEMP;CC45 SL TAPG 50V 150-J	
DC07	61407-101-480	C-CERAMIC TEMP;CC45 SL TAPG 50V 330-J	
DC08	61407-101-230	C-CERAMIC.TEMP;CC45 SL TAPG 50V 27-J	
DD01	62169-406-482	DIODE;1N4148 SAMSUNG	
DFL01	64529-310-012	CERAMIC-FILTER;SFE-5.5MB	
DFL02	64529-425-030	FILTER-CERAMIC;SFE 6.5MB	
DFL03	64529-310-012	CERAMIC-FILTER;SFE-5.5MB	
DFL04	62429-037-041	SIF-COIL;CX-517F (1MHZ)	
DQ01	62137-301-900	TRANSISTOR;KSC 838-Y TAPG	
DQ03	62137-301-900	TRANSISTOR;KSC 838-Y TAPG	
DQ04	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
DQ05	62137-701-019	DIGITAL TRANSISTOR;KSR2001-B TAPG	
DR01	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
DR02	61048-177-562	R-METAL FILM;RM 1/8TS 5.6K-J	
DR03	61048-177-681	R-METAL FILM;RM 1/8TS 680-J	
DR04	61048-177-682	R-METAL FILM;RM 1/8TS 6.8K-J	
DR05	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
DR06	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
DR07	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
DR08	61048-177-152	R-METAL FILM;RM 1/8TS 1.5K-J	
DR09	61048-177-152	R-METAL FILM;RM 1/8TS 1.5K-J	
DR10	61048-177-203	R-METAL FILM;RM 1/8TS 20K-J	
DR11	61048-177-203	R-METAL FILM;RM 1/8TS 20K-J	
DR12	61048-177-241	R-METAL FILM;RM 1/8TS 240-J	
DR13	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
DR15	61048-177-393	R-METAL FILM;RM 1/8TS 39K-J	
FL301	64529-416-024	FILTER-LC;DL-EQ(S8514)	
FL401	64529-421-022	CERAMIC-TRAP;TPS 6.5MB	
FL402	64529-418-064	FILTER-SAW;TSF-1321	
FL403	62719-049-014	TRANS-COIL(T3);55M TUNING-COIL	
FL404	62719-049-013	TRANS-AFT(T2);40MHZ AFT-BAL	
FL405	62719-049-012	TRANS-RESONANT(T1);40MHZ V-DET	
FL410	62429-832-080	COIL VARIABLE;1.2CH PSF MATCH	
FL411	64529-421-021	CERAMIC-TRAP;TPS-5.5MB	
IC401	62119-101-745	IC;TA8611AN	
IC402	62119-501-560	IC-L;KA33V	
IC403	62119-101-748	IC;TA7348P	
IC404	62119-101-748	IC;TA7348P	
J3	63054-222-150	WIRE-JUMPER(H-WRAP);1007 #26-SOLD WHT 1	S.N.A
L401	62427-812-829	COIL-PEAKING;EL0606 8.2UH	
L402	62427-812-270	COIL-PEAKING;EL0606RA-270J(27UH) TAPG	
L403	62429-811-010	COIL-PEAKING;DAESIN 10NZ R55K	
L404	62427-812-229	COIL-PEAKING;EL0606RA-2R2K(2.2UH) TAPG	
L405	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
L406	62427-812-220	COIL-PEAKING;EL0606RA-220J(22UH) TAPG	
L407	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
L408	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
Q402	62137-103-380	TRANSISTOR;KSA 733-Y TAPG	
Q403	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q404	62147-101-950	TRANSISTOR;KSA 643-Y TAPG	
Q405	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q406	62139-301-090	TRANSISTOR;KTC 388ATM	
Q407	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q408	62137-301-900	TRANSISTOR;KSC 838-Y TAPG	
Q411	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
R	61048-177-750	R-METAL FILM;RM 1/8TS 75-J	
R199	61049-327-680	R-METAL OXIDE;RS 2P 68-J	

*. S.N.A : SERVICE NOT AVAILABLE.

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LOCA.NO	PART-NUMBER	DESCRIPTION;SPECIFICATION	REMARK
R402	61048-177-221	R-METAL FILM;RM 1/8TS 220-J	
R403	61048-177-202	R-METAL FILM;RM 1/8TS 2K-J	
R405	61048-177-750	R-METAL FILM;RM 1/8TS 75-J	
R406	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R407	61048-177-680	R-METAL FILM;RM 1/8TS 68-J	
R408	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R409	61048-177-331	R-METAL FILM;RM 1/8TS 330-J	
R410	61048-177-562	R-METAL FILM;RM 1/8TS 5.6K-J	
R411	61048-177-681	R-METAL FILM;RM 1/8TS 680-J	
R412	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R413	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
R414	61048-177-270	R-METAL FILM;RM 1/8TS 27-J	
R415	61048-177-332	R-METAL FILM;RM 1/8TS 3.3K-J	
R416	61048-177-393	R-METAL FILM;RM 1/8TS 39K-J	
R417	61048-177-221	R-METAL FILM;RM 1/8TS 220-J	
R418	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R420	61048-177-510	R-METAL FILM;RM 1/8TS 51-J	
R421	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R422	61048-177-104	R-METAL FILM;RM 1/8TS 100K-J	
R423	61048-177-393	R-METAL FILM;RM 1/8TS 39K-J	
R424	61048-177-683	R-METAL FILM;RM 1/8TS 68K-J	
R425	61048-177-512	R-METAL FILM;RM 1/8TS 5.1K-J	
R427	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R428	61048-177-682	R-METAL FILM;RM 1/8TS 6.8K-J	
R429	61048-177-473	R-METAL FILM;RM 1/8TS 47K-J	
R430	61048-177-683	R-METAL FILM;RM 1/8TS 68K-J	
R431	61048-177-911	R-METAL FILM;RM 1/8TS 910-J	
R432	61048-177-561	R-METAL FILM;RM 1/8TS 560-J	
R433	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R434	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R435	61048-177-750	R-METAL FILM;RM 1/8TS 75-J	
R437	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R440	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R441	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R443	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R445	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R446	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
R448	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R449	61048-177-272	R-METAL FILM;RM 1/8TS 2.7K-J	
R450	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R451	61048-177-152	R-METAL FILM;RM 1/8TS 1.5K-J	
R460	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R469	61048-177-680	R-METAL FILM;RM 1/8TS 68-J	
VR401	61246-105-103	VR-SEMI;RH0615C 10KB	
	63005-006-819	PWB-MAIN (A):94V0 1.6X247X297 VK-8220	S.N.A
CN602	63053-607-011	LEAD CONN ASSY;1427 #26 BLK 360 CN205	
CN104	63053-607-050	LEAD CONN ASSY;1429 #26 BLK 130 CN302	
CN603	63053-607-470	LEAD CONN ASSY;1429 #26 BLK 250 CN801	
CN601	63053-607-470	LEAD CONN ASSY;1429 #26 BLK 250 CN801	
CN401	63053-614-828	LEAD CONN ASSY;1429 #26 BRN 230 CN304	
CN204	63053-625-373	LEAD CONN ASSY;1429 #26 BLK 300 CN3102	
J5	63054-222-100	WIRE-JUMPER(H-WRAP);1007 #26 WHT 100	S.N.A

MAIN-A	TUNER PARTS	: USED ONLY FOR VX-8220/8220M MODEL	
	63954-100-320	CERAMIC-PIPE;PI2.6 5MM WHT	S.N.A
	63054-401-670	CABLE-COAXIAL ASSY;UL B65 AWG 100 AA	
	63344-010-280	HOLDER JACK;G-7 PAL(SCART)	
	63104-600-110	GROUND-CAP;PBSS T0.5 G-7C	
	62569-002-211	RF CONVERTER;WCB4-UC 3609(S)	
	64519-903-170	TUNER;TERE 7X008A	
	63054-211-140	WIRE-GND;107 #18 BLK 140M/M(YY)	S.N.A
	63124-103-330	PIN-TEST POINT;BSW 1/4H PI1.0 SN	
C401	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C403	61407-101-230	C-CERAMIC.TEMP;CC45 SL TAPG 50V 27-J	
C404	61407-105-250	C-CERAMIC.TEMP;CC45 CH TAPG 50V 39-J	
C405	61407-101-200	C-CERAMIC.TEMP;CC45 SL TAPG 50V 22-J	
C406	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C407	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C408	61407-101-230	C-CERAMIC.TEMP;CC45 SL TAPG 50V 27-J	
C409	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C410	61607-401-440	C-ELECTROLYTIC;CE04W TAPG 16V 22M	
C411	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C412	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C413	61607-402-200	C-ELECTROLYTIC;CE04W TAPG 50V 0.47M	
C414	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C415	61609-401-500	C-ELECTROLYTIC;CE04W 16V 470M	
C416	61407-101-121	C-CERAMIC.TEMP;CC45 SL TAPG 50V 10-D	
C417	61607-402-421	C-ELECTROLYTIC;CE04W TAPG 25V 0.22M	
C418	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C419	61419-109-220	C-CERAMIC HK;CK45 F 50V 0.022M-Z	
C420	61419-109-220	C-CERAMIC HK;CK45 F 50V 0.022M-Z	
C421	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C422	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C423	61507-121-630	C-POLTESTER;CQ921M TAPG 100V 0.012MK	
C424	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C425	61407-105-640	C-CERAMIC.TEMP;CC45 CH TAPG 50V 2-C	
C426	61609-401-500	C-ELECTROLYTIC;CE04W 16V 470M	
C427	61407-101-483	C-CERAMIC TEMP;CC45 SL TAPG 50V 47J	
C428	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C429	61609-401-500	C-ELECTROLYTIC;CE04W 16V 470M	
C430	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C431	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
C432	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C433	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C434	61417-109-210	C-CERAMIC.HK;CK45 F TAPG 50V 0.1M-Z	
C435	61407-101-230	C-CERAMIC.TEMP;CC45 SL TAPG 50V 27-J	
C436	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
C450	61609-401-460	C-ELECTROLYTIC;CE04W 16V 47M	
D401	62169-406-482	DIODE;1N4148 SAMSUNG	
FL301	64529-417-101	FILTER-LC;DL-EQ(E0126)	
FL401	64529-421-021	CERAMIC-TRAP;TPS-5.5MB	
FL402	64529-418-041	FILTER-SAW;TSF-1303	
FL403	62719-049-014	TRANS-COIL(T3);55M TUNING-COIL	
FL404	62719-049-013	TRANS-AFT(T2);40MHZ AFT-BAL	
FL405	62719-049-012	TRANS-RESONANT(TI);40MHZ V-DET	
FL407	62429-832-020	COIL-TRAP;DAISIN 40.4MHZ(G-5.7)	
FL408	62429-832-010	COIL-TRAP;DAESIN 32.4MHZ(G-7)	
FL409	64529-310-012	CERAMIC-FILTER;SFE-5.5MB	
FL410	62429-832-080	COIL VARIABLE;1.2CH PSF MATCH	
FL411	64529-421-020	CERAMIC-TRAP;TPS-6.0MB	
IC401	62119-101-745	IC;TA8611AN	
IC402	62119-501-560	IC-L;KA33V	
IC403	62119-101-748	IC;TA7348P	
IC404	62119-101-748	IC;TA7348P	
L401	62427-812-829	COIL-PEAKING;EL0606 8.2UH	
L402	62427-812-270	COIL-PEAKING;EL0606RA-270J(27UH) TAPG	
L404	62427-812-229	COIL-PEAKING;EL0606RA-2R2K(2.2UH) TAPG	
L405	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
L406	62427-812-220	COIL-PEAKING;EL0606RA-220J(22UH) TAPG	
L407	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
L408	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
L450	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
Q402	62137-103-380	TRANSISTOR;KSA 733-Y TAPG	
Q403	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q404	62147-101-950	TRANSISTOR;KSA 643-Y TAPG	
Q405	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q406	62429-811-010	COIL-PEAKING;DAESIN 10NZ R55K	
Q406	62139-301-090	TRANSISTOR;KTC 388ATM	
Q407	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q408	62137-301-900	TRANSISTOR;KSC 838-Y TAPG	
Q411	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
R199	61049-327-680	R-METAL OXIDE;KS 2P 68-J	
R402	61048-177-221	R-METAL FILM;RM 1/8TS 220-J	
R403	61048-177-202	R-METAL FILM;RM 1/8TS 2K-J	
R405	61048-177-750	R-METAL FILM;RM 1/8TS 75-J	
R406	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R407	61048-177-680	R-METAL FILM;RM 1/8TS 68-J	
R408	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R409	61048-177-331	R-METAL FILM;RM 1/8TS 330-J	
R410	61048-177-562	R-METAL FILM;RM 1/8TS 5.6K-J	
R411	61048-177-681	R-METAL FILM;RM 1/8TS 680-J	
R412	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R413	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
R414	61048-177-270	R-METAL FILM;RM 1/8TS 27-J	
R415	61048-177-332	R-METAL FILM;RM 1/8TS 3.3K-J	
R416	61048-177-393	R-METAL FILM;RM 1/8TS 39K-J	
R417	61048-177-221	R-METAL FILM;RM 1/8TS 220-J	
R418	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R420	61048-177-510	R-METAL FILM;RM 1/8TS 51-J	
R421	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R422	61048-177-104	R-METAL FILM;RM 1/8TS 100K-J	
R423	61048-177-393	R-METAL FILM;RM 1/8TS 39K-J	
R424	61048-177-683	R-METAL FILM;RM 1/8TS 68K-J	
R425	61048-177-512	R-METAL FILM;RM 1/8TS 5.1K-J	
R427	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R428	61048-177-682	R-METAL FILM;RM 1/8TS 6.8K-J	
R429	61048-177-473	R-METAL FILM;RM 1/8TS 47K-J	
R430	61048-177-683	R-METAL FILM;RM 1/8TS 68K-J	
R431	61048-177-911	R-METAL FILM;RM 1/8TS 910-J	
R432	61048-177-561	R-METAL FILM;RM 1/8TS 560-J	
R433	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R434	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R435	61048-177-750	R-METAL FILM;RM 1/8TS 75-J	
R437	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R440	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R441	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R442	61048-177-220	R-METAL FILM;RM 1/8TS 22-J	
R443	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R445	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R446	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
R448	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R449	61048-177-272	R-METAL FILM;RM 1/8TS 2.7K-J	
R450	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R451	61048-177-152	R-METAL FILM;RM 1/8TS 1.5K-J	
R460	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R469	61048-177-680	R-METAL FILM;RM 1/8TS 68-J	
VR401	61246-105-103	VR-SEMI;RH0615C 10KB	

*. S.N.A : SERVICE NOT AVAILABLE.

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LOCA.NO	PART-NUMBER	DESCRIPTION;SPECIFICATION	REMARK
	63005-006-819	PWB-MAIN (A);94V0 1.6X247X297 VK-8220	S.N.A
CN104	63053-607-050	LEAD CONN ASSY;1429 #26 BLK 130 CN302	
CN204	63053-625-373	LEAD CONN ASSY;1429 #26 BLK 300 CN3102	
CN401	63053-614-828	LEAD CONN ASSY;1429 #26 BRN 230 CN304	
CN601	63053-607-470	LEAD CONN ASSY;1429 #26 BLK 250 CN801	
CN602	63053-607-011	LEAD CONN ASSY;1427 #26 BLK 360 CN205	
CN603	63053-607-470	LEAD CONN ASSY;1429 #26 BLK 250 CN801	
J5	63054-222-100	WIRE-JUMPER(H-WRAP);1007 #26-SOLD WHT 10	S.N.A
MAIN-A	TUNER PARTS	: USED ONLY FOR VX-8220E MODEL	
	62569-002-216	RF CONVERTER;RVS 21210L-2	
	63104-600-110	GROUND-CAP;PBSS T0.5 G-7C	
	63054-401-670	CABLE-COAXIAL ASSY;UL B65 AWG 100 AA	
	63344-010-270	HOLDER JACK;G-7 PAL(B.N.C)	
	64519-903-170	TUNER;TERE 7X008A	
	63054-211-140	WIRE-GND;107 #18 BLK 140M/M(YY)	
146	64543-603-410	SHIELD CASE TOP;SPTE T0.25(G-7W PAL)	
147	64543-603-110	SHIELD CASE BODY;SPTE T0.25(G-7W PAL)	
C401	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C403	61407-105-270	C-CERAMIC.TEMP;CC45 CH TAPG 50V 27-J	
C404	61407-101-150	C-CERAMIC.TEMP;CC45 SL TAPG 50V 15-J	
C405	61407-105-150	C-CERAMIC.TEMP;CC45 CH TAPG 50V 15-J	
C406	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C409	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C410	61607-401-440	C-ELECTROLYTIC;CE04W TAPG 16V 22M	
C411	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C412	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C413	61607-402-200	C-ELECTROLYTIC;CE04W TAPG 50V 0.47M	
C414	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C415	61609-401-500	C-ELECTROLYTIC;CE04W 16V 470M	
C416	61407-101-121	C-CERAMIC.TEMP;CC45 SL TAPG 50V 10-D	
C417	61607-402-421	C-ELECTROLYTIC;CE04W TAPG 25V 0.22M	
C418	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C419	61419-109-220	C-CERAMIC HK;CK45 F 50V 0.022M-Z	
C420	61507-121-450	C-POLYESTER;CQ921M TAPG 50V 0.0068M-K	
C421	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C422	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C423	61507-121-630	C-POLTESTER;CQ921M TAPG 100V 0.012MK	
C425	61407-105-640	C-CERAMIC.TEMP;CC45 CH TAPG 50V 2-C	
C427	61407-101-483	C-CERAMIC.TEMP;CC45 SL TAPG 50V 47J	
C428	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C429	61609-401-500	C-ELECTROLYTIC;CE04W 16V 470M	
C430	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C431	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
C432	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C433	61609-401-500	C-ELECTROLYTIC;CE04W 16V 470M	
C433	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C434	61417-109-210	C-CERAMIC.HK;CK45 F TAPG 50V 0.1M-Z	
C436	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
FL301	64529-416-824	FILTER-LC;DL-EQ(S8514)	
FL402	64529-418-841	FILTER-SAW;TSF-1303	
FL403	62719-049-014	TRANS-COIL(T3);55M TUNING-COIL	
FL404	62719-049-013	TRANS-AFT(T2);40MHZ AFT-BAL	
FL405	62719-049-012	TRANS-RESONANT(T1);40MHZ V-DET	
FL409	64529-310-812	CERAMIC-FILTER;SFE-5.5MB	
FL410	62429-832-080	COIL VARIABLE;1.2CH PSF MATCH	
FL411	64529-421-821	CERAMIC-TRAP;TPS-5.5MB	
IC401	62119-101-745	IC;TA8611AN	
IC402	62119-501-560	IC-L;KA33V	
IC403	62119-101-748	IC;TA7348P	
IC404	62119-101-748	IC;TA7348P	
L401	62427-812-829	COIL-PEAKING;EL0606 8.2UH	
L402	62427-812-270	COIL-PEAKING;EL0606RA-270J(27UH) TAPG	
L403	62429-811-810	COIL-PEAKING;DAESIN 10NZ R55K	
L404	62427-812-229	COIL-PEAKING;EL0606RA-2R2K(2.2UH) TAPG	
L405	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
L406	62427-812-270	COIL-PEAKING;EL0606RA-270J(27UH) TAPG	
L407	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
L408	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
Q402	62137-103-380	TRANSISTOR;KSA 733-Y TAPG	
Q403	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q406	62139-301-090	TRANSISTOR;KTC 388ATM	
Q407	62137-701-813	TRANSISTOR;KSR 1004 TAPG	
Q408	62137-301-900	TRANSISTOR;KSC 838-Y TAPG	
Q409	62137-701-813	TRANSISTOR;KSR 1004 TAPG	
Q410	62137-701-819	DIGITAL TRANSISTOR;KSR2001-B TAPG	
Q411	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
R402	61048-177-331	R-METAL FILM;RM 1/8TS 330-J	
R403	61048-177-292	R-METAL FILM;RM 1/8TS 2K-J	
R405	61048-177-750	R-METAL FILM;RM 1/8TS 75-J	
R406	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R407	61048-177-750	R-METAL FILM;RM 1/8TS 75-J	
R408	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R409	61048-177-331	R-METAL FILM;RM 1/8TS 330-J	
R410	61048-177-562	R-METAL FILM;RM 1/8TS 5.6K-J	
R411	61048-177-681	R-METAL FILM;RM 1/8TS 680-J	
R412	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R413	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
R414	61048-177-270	R-METAL FILM;RM 1/8TS 27-J	
R415	61048-177-332	R-METAL FILM;RM 1/8TS 3.3K-J	
R416	61048-177-393	R-METAL FILM;RM 1/8TS 39K-J	
R417	61048-177-221	R-METAL FILM;RM 1/8TS 220-J	
R418	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R420	61048-177-510	R-METAL FILM;RM 1/8TS 51-J	
R421	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R422	61048-177-683	R-METAL FILM;RM 1/8TS 68K-J	
R423	61048-177-393	R-METAL FILM;RM 1/8TS 39K-J	
R424	61048-177-393	R-METAL FILM;RM 1/8TS 39K-J	
R425	61048-177-512	R-METAL FILM;RM 1/8TS 5.1K-J	
R427	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R428	61048-177-682	R-METAL FILM;RM 1/8TS 6.8K-J	
R429	61048-177-473	R-METAL FILM;RM 1/8TS 47K-J	
R430	61048-177-683	R-METAL FILM;RM 1/8TS 68K-J	
R431	61048-177-911	R-METAL FILM;RM 1/8TS 910-J	
R432	61048-177-561	R-METAL FILM;RM 1/8TS 560-J	
R437	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R443	61048-177-680	R-METAL FILM;RM 1/8TS 68-J	
R445	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R446	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
R448	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R449	61048-177-242	R-METAL FILM;RM 1/8TS 2.4K-J	
R450	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R451	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R460	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
VR401	61246-105-103	VR-SEMI;RH0615C 10KB	
	63005-006-819	PWB-MAIN (A);94V0 1.6X247X297 VK-8220	S.N.A
CN602	63053-607-011	LEAD CONN ASSY;1427 #26 BLK 360 CN205	
CN104	63053-607-050	LEAD CONN ASSY;1429 #26 BLK 130 CN302	
CN603	63053-607-470	LEAD CONN ASSY;1429 #26 BLK 250 CN801	
CN601	63053-607-470	LEAD CONN ASSY;1429 #26 BLK 250 CN801	
CN401	63053-614-828	LEAD CONN ASSY;1429 #26 BRN 230 CN304	
CN204	63053-625-373	LEAD CONN ASSY;1429 #26 BLK 300 CN3102	
J5	63054-222-100	WIRE-JUMPER(H-WRAP);1007 #26-SOLD WHT 10	
MAIN-A	TUNER PARTS	: USED ONLY FOR V1-8220/8225 MODEL	
	63054-401-670	CABLE-COAXIAL ASSY;UL B65 AWG 100 AA	
	63104-600-110	GROUND-CAP;PBSS T0.5 G-7C	
	63344-010-280	HOLDER JACK;G-7 PAL(SCART)	
	63124-103-330	PIN-TEST POINT;BSW 1/4H P11.0 SN	
	62569-002-212	RF-CONVERTER;MCB4-UB3605	
	64519-903-195	TUNER;TERB 7X004A	
	63054-211-140	WIRE-GND;107 #18 BLK 140M/M(YY)	
C401	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C403	61409-105-830	C-CERAMIC.TEMP;CC45 CH 50V 6-D	
C404	61407-105-250	C-CERAMIC.TEMP;CC45 CH TAPG 50V 39-J	
C405	61407-101-200	C-CERAMIC.TEMP;CC45 SL TAPG 50V 22-J	
C406	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C407	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C409	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C410	61607-401-440	C-ELECTROLYTIC;CE04W TAPG 16V 22M	
C411	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C412	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C413	61607-402-200	C-ELECTROLYTIC;CE04W TAPG 50V 0.47M	
C414	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C415	61609-401-500	C-ELECTROLYTIC;CE04W 16V 470M	
C416	61407-101-121	C-CERAMIC.TEMP;CC45 SL TAPG 50V 10-D	
C417	61607-402-421	C-ELECTROLYTIC;CE04W TAPG 25V 0.22M	
C418	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C419	61419-109-220	C-CERAMIC HK;CK45 F 50V 0.022M-Z	
C420	61419-109-220	C-CERAMIC HK;CK45 F 50V 0.022M-Z	
C421	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C422	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C423	61507-121-630	C-POLTESTER;CQ921M TAPG 100V 0.012MK	
C424	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C425	61407-105-640	C-CERAMIC.TEMP;CC45 CH TAPG 50V 2-C	
C426	61609-401-500	C-ELECTROLYTIC;CE04W 16V 470M	
C427	61407-101-483	C-CERAMIC.TEMP;CC45 SL TAPG 50V 47J	
C428	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C429	61609-401-500	C-ELECTROLYTIC;CE04W 16V 470M	
C430	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C431	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
C432	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C433	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C434	61417-109-210	C-CERAMIC.HK;CK45 F TAPG 50V 0.1M-Z	
C436	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
D401	62169-486-482	DIODE;1N4148 SAMSUNG	
FL301	64529-417-101	FILTER-LC;DL-EQ(E0126)	
FL401	64529-421-820	CERAMIC-TRAP;TPS-6.0MB	
FL402	64529-418-840	FILTER-SAW;TSF-1306	
FL403	62719-041-031	TRANS-COIL(T3);6.0M TUNING COIL	
FL404	62719-049-013	TRANS-AFT(T2);40MHZ AFT-BAL	
FL405	62719-049-012	TRANS-RESONANT(T1);40MHZ V-DET	
FL406	64529-310-811	CERAMIC-FILTER;SFE-6.0MB	
FL410	62429-832-080	COIL VARIABLE;1.2CH PSF MATCH	
IC401	62119-101-745	IC;TA8611AN	
IC402	62119-501-560	IC-L;KA33V	
IC403	62119-101-748	IC;TA7348P	
IC404	62119-101-748	IC;TA7348P	

*.S.N.A :SERVICE NOT AVAILABLE.

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LOCA.NO	PART-NUMBER	DESCRIPTION;SPECIFICATION	REMARK
L401	62427-812-150	COIL-PEAKING;EL0606RA-150J(15UH) TAPG	
L402	62427-812-390	COIL-PEAKING;EL0606RA-390J(39UH) TAPG	
L403	62429-811-010	COIL-PEAKING;DAESIN 10NZ R55K	
L404	62427-812-229	COIL-PEAKING;EL0606RA-2R2K(2.2UH) TAPG	
L405	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
L406	62427-812-220	COIL-PEAKING;EL0606RA-220J(22UH) TAPG	
L407	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
L408	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
Q402	62137-103-380	TRANSISTOR;KSA 733-Y TAPG	
Q403	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q404	62147-101-950	TRANSISTOR;KSA 643-Y TAPG	
Q405	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q406	62139-301-090	TRANSISTOR;KTC 388ATM	
Q407	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q408	62137-301-900	TRANSISTOR;KSC 838-Y TAPG	
Q411	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
R402	61048-177-331	R-METAL FILM;RM 1/8TS 330-J	
R403	61048-177-202	R-METAL FILM;RM 1/8TS 2K-J	
R405	61048-177-750	R-METAL FILM;RM 1/8TS 75-J	
R406	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R407	61048-177-680	R-METAL FILM;RM 1/8TS 68-J	
R408	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R409	61048-177-331	R-METAL FILM;RM 1/8TS 330-J	
R410	61048-177-562	R-METAL FILM;RM 1/8TS 5.6K-J	
R411	61048-177-681	R-METAL FILM;RM 1/8TS 680-J	
R412	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R413	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
R414	61048-177-270	R-METAL FILM;RM 1/8TS 27-J	
R415	61048-177-332	R-METAL FILM;RM 1/8TS 3.3K-J	
R416	61048-177-393	R-METAL FILM;RM 1/8TS 39K-J	
R417	61048-177-221	R-METAL FILM;RM 1/8TS 220-J	
R418	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R420	61048-177-510	R-METAL FILM;RM 1/8TS 51-J	
R421	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R422	61048-177-104	R-METAL FILM;RM 1/8TS 100K-J	
R423	61048-177-393	R-METAL FILM;RM 1/8TS 39K-J	
R424	61048-177-683	R-METAL FILM;RM 1/8TS 68K-J	
R425	61048-177-512	R-METAL FILM;RM 1/8TS 5.1K-J	
R427	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R428	61048-177-682	R-METAL FILM;RM 1/8TS 6.8K-J	
R429	61048-177-473	R-METAL FILM;RM 1/8TS 47K-J	
R430	61048-177-683	R-METAL FILM;RM 1/8TS 68K-J	
R431	61048-177-911	R-METAL FILM;RM 1/8TS 910-J	
R432	61048-177-561	R-METAL FILM;RM 1/8TS 560-J	
R433	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R434	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R435	61048-177-750	R-METAL FILM;RM 1/8TS 75-J	
R436	61049-327-680	R-METAL OXIDE;RS 2P 68-J	
R437	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R440	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R441	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R445	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R446	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
R448	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R449	61048-177-272	R-METAL FILM;RM 1/8TS 2.7K-J	
R450	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R451	61048-177-152	R-METAL FILM;RM 1/8TS 1.5K-J	
R460	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R469	61048-177-680	R-METAL FILM;RM 1/8TS 68-J	
VR401	61246-105-103	VR-SEMI;RH0615C 10KB	
	63085-006-819	PWB-MAIN (A);94V0 1.6X247X297 VK-8220	S.N.A
CN104	63053-607-050	LEAD CONN ASSY;1429 #26 BLK 130 CN302	
CN204	63053-625-374	LEAD CONN ASSY;1533 #26 WHT 500 CN3101	
CN401	63053-614-828	LEAD CONN ASSY;1429 #26 BRN 230 CN304	
CN601	63053-607-470	LEAD CONN ASSY;1429 #26 BLK 250 CN801	
CN602	63053-607-011	LEAD CONN ASSY;1427 #26 BLK 360 CN205	VI8220
CN602	63053-607-011	LEAD CONN ASSY;1427 #26 BLK 360 CN205	VI8225
CN603	63053-607-470	LEAD CONN ASSY;1429 #26 BLK 250 CN801	

MAIN-A	TUNER PARTS	: USED ONLY FOR VX-8225 MODEL	
	63054-401-670	CABLE-COAXIAL ASSY;UL 80 AWG 100 AA	
	63954-100-320	CERAMIC-PIPE;PIZ.6 5MM WHT	S.N.A
	63104-600-110	GROUND-CAP;PBSS T0.5 G-7C	
	63344-010-280	HOLDER JACK;G-7 PAL(SCART)	
	63124-103-330	PIN-TEST POINT;BSW 1/4H P11.0 SN	S.N.A
	62569-002-211	RF CONVERTER;MCB4-UG 3609(S)	
	64519-903-170	TUNER;TERE 7X008A	
	63054-211-140	WIRE-GND;107 #18 BLK 140M/M(YY)	S.N.A
C401	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C403	61407-101-230	C-CERAMIC.TEMP;CC45 SL TAPG 50V 27-J	
C404	61407-105-259	C-CERAMIC.TEMP;CC45 CH TAPG 50V 39-J	
C405	61407-101-200	C-CERAMIC.TEMP;CC45 SL TAPG 50V 22-J	
C406	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C407	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C408	61407-101-230	C-CERAMIC.TEMP;CC45 SL TAPG 50V 27-J	
C409	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C410	61607-401-410	C-ELECTROLYTIC;CE04W TAPG 16V 22M	
C411	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C412	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C413	61607-402-200	C-ELECTROLYTIC;CE04W TAPG 50V 0.47M	
C414	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C415	61609-401-500	C-ELECTROLYTIC;CE04W 16V 470M	
C416	61407-101-121	C-CERAMIC.TEMP;CC45 SL TAPG 50V 10-D	
C417	61607-402-421	C-ELECTROLYTIC;CE04W TAPG 25V 0.22M	
C418	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C419	61419-109-220	C-CERAMIC HK;CK45 F 50V 0.022M-Z	
C420	61419-109-220	C-CERAMIC HK;CK45 F 50V 0.022M-Z	
C421	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C422	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C423	61507-121-630	C-POLTESTER;CQ921M TAPG 100V 0.012MK	
C424	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C425	61407-105-640	C-CERAMIC.TEMP;CC45 CH TAPG 50V 2-C	
C426	61609-401-500	C-ELECTROLYTIC;CE04W 16V 470M	
C427	61407-101-483	C-CERAMIC TEMP;CC45 SL TAPG 50V 47J	
C428	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C429	61609-401-500	C-ELECTROLYTIC;CE04W 16V 470M	
C430	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C431	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
C432	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C433	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C434	61417-109-210	C-CERAMIC.HK;CK45 F TAPG 50V 0.1M-Z	
C435	61407-101-230	C-CERAMIC.TEMP;CC45 SL TAPG 50V 27-J	
C436	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
C450	61609-401-460	C-ELECTROLYTIC;CE04W 16V 47M	
D401	62169-406-482	DIODE;1N4148 SAMSUNG	
FL301	64529-417-101	FILTER-LC;DL-EQ(E0126)	
FL401	64529-421-021	CERAMIC-TRAP;TPS-5.5MB	
FL402	64529-418-041	FILTER-SAW;TSF-1303	
FL403	62719-049-014	TRANS-COIL(T3);55M TUNING-COIL	
FL404	62719-049-013	TRANS-AFT(T2);40MHZ AFT-BAL	
FL405	62719-049-012	TRANS-RESONANT(T1);40MHZ V-DET	
FL407	62429-832-020	COIL-TRAP;DAISIN 40.4MHZ(G-5.7)	
FL408	62429-832-010	COIL-TRAP;DAESIN 32.4MHZ(G-7)	
FL409	64529-310-012	CERAMIC-FILTER;SFE-5.5MB	
FL410	62429-832-080	COIL VARIABLE;1.2CH PSF MATCH	
FL411	64529-421-020	CERAMIC-TRAP;TPS-6.0MB	
IC401	62119-101-745	IC;TA8611AN	
IC402	62119-501-560	IC-L;KA33V	
IC403	62119-101-748	IC;TA7348P	
IC404	62119-101-748	IC;TA7348P	
L401	62427-812-829	COIL-PEAKING;EL0606 8.2UH	
L402	62427-812-270	COIL-PEAKING;EL0606RA-270J(27UH) TAPG	
L404	62427-812-229	COIL-PEAKING;EL0606RA-2R2K(2.2UH) TAPG	
L405	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
L406	62427-812-220	COIL-PEAKING;EL0606RA-220J(22UH) TAPG	
L407	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
L408	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
L450	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
Q402	62137-103-380	TRANSISTOR;KSA 733-Y TAPG	
Q403	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q404	62147-101-950	TRANSISTOR;KSA 643-Y TAPG	
Q405	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q406	62429-811-010	COIL-PEAKING;DAESIN 10NZ R55K	
Q406	62139-301-090	TRANSISTOR;KTC 388ATM	
Q407	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q408	62137-301-900	TRANSISTOR;KSC 838-Y TAPG	
Q411	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
R199	61049-327-680	R-METAL OXIDE;RS 2P 68-J	
R402	61048-177-221	R-METAL FILM;RM 1/8TS 220-J	
R403	61048-177-202	R-METAL FILM;RM 1/8TS 2K-J	
R405	61048-177-750	R-METAL FILM;RM 1/8TS 75-J	
R406	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R407	61048-177-680	R-METAL FILM;RM 1/8TS 68-J	
R408	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R409	61048-177-331	R-METAL FILM;RM 1/8TS 330-J	
R410	61048-177-562	R-METAL FILM;RM 1/8TS 5.6K-J	
R411	61048-177-681	R-METAL FILM;RM 1/8TS 680-J	
R412	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R413	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
R414	61048-177-270	R-METAL FILM;RM 1/8TS 27-J	
R415	61048-177-332	R-METAL FILM;RM 1/8TS 3.3K-J	
R416	61048-177-393	R-METAL FILM;RM 1/8TS 39K-J	
R417	61048-177-221	R-METAL FILM;RM 1/8TS 220-J	
R418	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R420	61048-177-510	R-METAL FILM;RM 1/8TS 51-J	
R421	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R422	61048-177-104	R-METAL FILM;RM 1/8TS 100K-J	
R423	61048-177-393	R-METAL FILM;RM 1/8TS 39K-J	
R424	61048-177-683	R-METAL FILM;RM 1/8TS 68K-J	
R425	61048-177-512	R-METAL FILM;RM 1/8TS 5.1K-J	
R427	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R428	61048-177-682	R-METAL FILM;RM 1/8TS 6.8K-J	
R429	61048-177-473	R-METAL FILM;RM 1/8TS 47K-J	
R430	61048-177-683	R-METAL FILM;RM 1/8TS 68K-J	
R431	61048-177-911	R-METAL FILM;RM 1/8TS 910-J	
R432	61048-177-561	R-METAL FILM;RM 1/8TS 560-J	
R433	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R434	61048-177-223	R-METAL FILM;RM 1/8TS 22K-J	
R435	61048-177-750	R-METAL FILM;RM 1/8TS 75-J	

*:S.N.A :SERVICE NOT AVAILABLE.

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LOCA.NO	PART-NUMBER	DESCRIPTION;SPECIFICATION	REMARK
R437	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R440	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R441	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R442	61048-177-220	R-METAL FILM;RM 1/8TS 22-J	
R443	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R445	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R446	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
R448	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R449	61048-177-272	R-METAL FILM;RM 1/8TS 2.7K-J	
R450	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R451	61048-177-152	R-METAL FILM;RM 1/8TS 1.5K-J	
R460	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R469	61048-177-680	R-METAL FILM;RM 1/8TS 68-J	
VR401	61246-105-103	VR-SEMI;RH0615C 10KB	
	63005-006-819	PWB-MAIN (A);94V0 1.6X247X297 VK-8220	S.N.A
	63053-614-850	LEAD CONNECTOR ASSY;1429 #26 BLK170	
CN104	63053-607-050	LEAD CONN ASSY;1429 #26 BLK 130 CN302	
CN204	63053-625-373	LEAD CONN ASSY;1429 #26 BLK 300 CN3102	
CN401	63053-614-828	LEAD CONN ASSY;1429 #26 BRN 230 CN304	
CN601	63349-062-410	CONNECTOR-WAFER;5267-12A	
CN602	63053-607-011	LEAD CONN ASSY;1427 #26 BLK 360 CN205	
CN603	63053-607-470	LEAD CONN ASSY;1429 #26 BLK 250 CN801	
J5	63054-222-100	WIRE-JUMPER(H-WRAP);1007 #26 WHT 100	S.N.A

MAIN-A	TUNER PARTS	: USED ONLY FOR VB-8225 MODEL	
	63344-010-060	HOLDER JACK;G-7W B/G	
	63054-401-670	CABLE-COAXIAL ASSY;UL B65 AWG 100 AA	
	66462-602-610	CONNECTOR BOARD;VB-712/EA	
	63104-600-110	GROUND-CAP;PBSS T0.5 G-7C	
	63054-211-140	WIRE-GND;107 #18 BLK 140M/M(YY)	S.N.A
C401	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C403	61407-101-200	C-CERAMIC.TEMP;CC45 SL TAPG 50V 22-J	
C404	61407-101-240	C-CERAMIC.TEMP;CC45 SL TAPG 50V 33-J	
C405	61407-105-250	C-CERAMIC.TEMP;CC45 CH TAPG 50V 39-J	
C406	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C409	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C410	61607-401-440	C-ELECTROLYTIC;CE04W TAPG 16V 22M	
C411	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C412	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C413	61607-402-280	C-ELECTROLYTIC;CE04W TAPG 50V 0.47M	
C414	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C415	61609-401-580	C-ELECTROLYTIC;CE04W 16V 470M	
C418	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C419	61419-109-220	C-CERAMIC HK;CK45 F 50V 0.022M-Z	
C420	61419-109-220	C-CERAMIC HK;CK45 F 50V 0.022M-Z	
C421	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C422	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C423	61507-121-630	C-POLTESTER;CQ921M TAPG 100V 0.012MK	
C425	61407-105-640	C-CERAMIC.TEMP;CC45 CH TAPG 50V 2-C	
C426	61609-401-580	C-ELECTROLYTIC;CE04W 16V 470M	
C427	61407-101-483	C-CERAMIC TEMP;CC45 SL TAPG 50V 47J	
C428	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C429	61609-401-580	C-ELECTROLYTIC;CE04W 16V 470M	
C430	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C431	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
C432	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C433	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C434	61417-109-210	C-CERAMIC.HK;CK45 F TAPG 50V 0.1M-Z	
C436	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
FL301	64529-417-101	FILTER-LC;DL;EQ(E8126)	
FLA	64529-418-058	FILTER-SAW;TSF-1313	
FL403	62719-044-033	TRANS-COIL(T3);6.5M SOUND-COIL	
FL405	62719-049-012	TRANS-RESONANT(TI);40MHZ V-DET	
FL409	64529-425-030	FILTER-CERAMIC;SFE 6.5MB	
FL410	62429-832-080	COIL VARIABLE;1.2CH PSF MATCH	
FL411	64529-421-022	CERAMIC-TRAP;TPS 6.5MB	
IC401	62119-101-745	IC;TA8611AN	
IC402	62119-501-560	IC-L;KA33V	
IC403	62119-101-748	IC;TA7348P	
IC404	62119-101-748	IC;TA7348P	
L401	62427-812-829	COIL-PEAKING;EL0606 8.2UH	
L402	62427-812-270	COIL-PEAKING;EL0606RA-270J(27UH) TAPG	
L403	62429-811-010	COIL-PEAKING;DAESIN 10NZ R55K	
L404	62427-812-229	COIL-PEAKING;EL0606RA-2R2K(2.2UH) TAPG	
L405	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
L406	62427-812-150	COIL-PEAKING;EL0606RA-150J(15UH) TAPG	
L407	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
L408	62429-833-101	COIL-PEAKING AXIAL;BAL04ST 101K	
Q402	62137-103-380	TRANSISTOR;KSA 733-Y TAPG	
Q403	62137-302-740	TRANSISTOR;KSC 945-Y TAPG	
Q406	62139-301-890	TRANSISTOR;KTC 388ATM	
Q407	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q408	62137-301-980	TRANSISTOR;KSC 838-Y TAPG	
Q409	62137-701-013	TRANSISTOR;KSR 1004 TAPG	
Q410	62137 701-019	DIGITAL TRANSISTOR;KSR2001-B TAPG	
R402	61048-177-241	R-METAL FILM;RM 1/8TS 240-J	
R403	61048-177-202	R-METAL FILM;RM 1/8TS 2K-J	
R405	61048-177-750	R-METAL FILM;RM 1/8TS 75-J	
R406	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R407	61048-177-680	R-METAL FILM;RM 1/8TS 68-J	
R408	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R409	61048-177-331	R-METAL FILM;RM 1/8TS 330-J	
R410	61048-177-562	R-METAL FILM;RM 1/8TS 5.6K-J	
R411	61048-177-681	R-METAL FILM;RM 1/8TS 680-J	
R412	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R413	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
R414	61048-177-270	R-METAL FILM;RM 1/8TS 27-J	
R415	61048-177-332	R-METAL FILM;RM 1/8TS 3.3K-J	
R416	61048-177-393	R-METAL FILM;RM 1/8TS 39K-J	
R417	61048-177-221	R-METAL FILM;RM 1/8TS 220-J	
R418	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R420	61048-177-510	R-METAL FILM;RM 1/8TS 51-J	
R421	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R425	61048-177-512	R-METAL FILM;RM 1/8TS 5.1K-J	
R427	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R428	61048-177-682	R-METAL FILM;RM 1/8TS 6.8K-J	
R429	61048-177-473	R-METAL FILM;RM 1/8TS 47K-J	
R430	61048-177-683	R-METAL FILM;RM 1/8TS 68K-J	
R431	61048-177-911	R-METAL FILM;RM 1/8TS 910-J	
R432	61048-177-561	R-METAL FILM;RM 1/8TS 560-J	
R437	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R445	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R446	61048-177-122	R-METAL FILM;RM 1/8TS 1.2K-J	
R448	61048-177-101	R-METAL FILM;RM 1/8TS 100-J	
R449	61048-177-432	R-METAL FILM;RM 1/8TS 4.3K-J	
R450	61048-177-102	R-METAL FILM;RM 1/8TS 1K-J	
R451	61048-177-152	R-METAL FILM;RM 1/8TS 1.5K-J	
R460	61048-177-103	R-METAL FILM;RM 1/8TS 10K-J	
R469	61048-177-680	R-METAL FILM;RM 1/8TS 68-J	
RF-CON	62569-002-218	RF CONVERTER;RVS-2121CL	
TU-PACK	64519-902-018	TUNER;ECC-7883PLE	
VR401	61246-105-103	VR-SEMI;RH0615C 10KB	
	63005-006-819	PWB-MAIN (A);94V0 1.6X247X297 VK-8220	S.N.A
	63053-614-850	LEAD CONNECTOR ASSY;1429/1007#26 BLK170	
CN104	63053-607-050	LEAD CONN ASSY;1429 #26 BLK 130 CN302	
CN204	63053-625-373	LEAD CONN ASSY;1429 #26 BLK 300 CN3102	
CN401	63053-614-828	LEAD CONN ASSY;1429 #26 BRN 230 CN304	
CN601	63349-062-410	CONNECTOR-WAFER;5267-12A	
CN602	63053-607-011	LEAD CONN ASSY;1427 #26 BLK 360 CN205	
CN603	63053-607-470	LEAD CONN ASSY;1429 #26 BLK 250 CN801	
J5	63054-222-100	WIRE-JUMPER(H-WRAP);1007 #26-SOLD WHT 10	

MAIN-A	TUNER PARTS	: USED ONLY FOR VB-8220A MODEL	
	62569-002-184	RF-CONVERTER;RVS-2121 AL	
	63104-600-110	GROUND-CAP;PBSS T0.5 G-7C	
	63054-401-670	CABLE-COAXIAL ASSY;UL B65 AWG30 BLK100AA	
	63124-103-330	PIN-TEST POINT;BSW 1/4H P11.0 SN	S.N.A
	63344-010-270	HOLDER JACK;G-7 PAL(B.N.C)	
	64519-903-198	TUNER;TERS 7X003A	
	63054-211-140	WIRE-GND;107 #18 BLK 140M/M(YY)	S.N.A
146	64543-603-410	SHIELD CASE TOP;SPTE T0.25(G-7W PAL)	
147	64543-603-110	SHIELD CASE BODY;SPTE T0.25(G-7W PAL)	
C401	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C403	61407-105-270	C-CERAMIC.TEMP;CC45 CH TAPG 50V 27-J	
C404	61407-101-160	C-CERAMIC.TEMP;CC45 SL TAPG 50V 15-J	
C405	61407-105-180	C-CERAMIC.TEMP;CC45 CH TAPG 50V 18-J	
C406	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C409	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C410	61607-401-440	C-ELECTROLYTIC;CE04W TAPG 16V 22M	
C411	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C412	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C413	61607-402-280	C-ELECTROLYTIC;CE04W TAPG 50V 0.47M	
C414	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C415	61609-401-580	C-ELECTROLYTIC;CE04W 16V 470M	
C416	61407-101-123	C-CERAMIC.TEMP;CC45 SL TAPG 50V 10-D	
C417	61607-402-421	C-ELECTROLYTIC;CE04W TAPG 25V 0.22M	
C418	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C419	61419-109-220	C-CERAMIC HK;CK45 F 50V 0.022M-Z	
C420	61419-109-220	C-CERAMIC HK;CK45 F 50V 0.022M-Z	
C421	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C422	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C423	61507-121-630	C-POLTESTER;CQ921M TAPG 100V 0.012MK	
C425	61407-105-640	C-CERAMIC.TEMP;CC45 CH TAPG 50V 2-C	
C426	61609-401-580	C-ELECTROLYTIC;CE04W 16V 470M	
C427	61407-101-483	C-CERAMIC TEMP;CC45 SL TAPG 50V 47J	
C428	61607-402-210	C-ELECTROLYTIC;CE04W TAPG 50V 1M	
C429	61609-401-580	C-ELECTROLYTIC;CE04W 16V 470M	
C430	61407-117-104	C-CERAMIC AXIAL;TAPG Y 16V 0.01-N	
C431	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
C432	61607-401-430	C-ELECTROLYTIC;CE04W TAPG 25V 10M	
C433	61607-401-460	C-ELECTROLYTIC(SG);CE04W TAPG 16V 47M	
C434	61417-109-210	C-CERAMIC.HK;CK45 F TAPG 50V 0.1M-Z	
C436	61407-105-320	C-CERAMIC.TEMP;CC45 CH TAPG 50V 82-J	
FL301	64529-416-021	FILTER-LC;DL-EQ(S8514)	
FL402	64529-418-042	FILTER-SAW;TSF 1307	
FL403	62719-049-013	TRANS-COIL(T3);55M TUNING-COIL	
FL404	62719-049-013	TRANS-AFT(T2);40MHZ AFT BAL	
FL405	62719-049-012	TRANS-RESONANT(TI);40MHZ V-DET	
FL409	64529-310-012	CERAMIC-FILTER;SFE 5.5MB	

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LOCA.NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK
FL410	62427-812-129	COIL-PEAKING:EL0606RA-1R2K(1.2UH) TAPG	
FL411	64529-421-021	CERAMIC-TRAP:TPS-5.5MB	
IC401	62119-101-745	IC:TA8611AN	
IC402	62119-501-560	IC-L:KA33V	
IC403	62119-101-748	IC:TA7348P	
IC404	62119-101-748	IC:TA7348P	
L401	62427-812-829	COIL-PEAKING:EL0606 8.2UH	
L402	62427-812-220	COIL-PEAKING:EL0606RA-220J(22UH) TAPG	
L403	62429-811-010	COIL-PEAKING:DAESIN 10NZ R55K	
L404	62427-812-229	COIL-PEAKING:EL0606RA-2R2K(2.2UH) TAPG	
L405	62427-814-101	COIL-PEAKING AXIAL:BAL03 TAPG 101K	
L406	62427-812-270	COIL-PEAKING:EL0606RA-270J(27UH) TAPG	
L407	62427-814-101	COIL-PEAKING AXIAL:BAL03 TAPG 101K	
L408	62427-814-101	COIL-PEAKING AXIAL:BAL03 TAPG 101K	
Q402	62137-103-380	TRANSISTOR:KSA 733-Y TAPG	
Q403	62137-302-748	TRANSISTOR:KSC 945-Y TAPG	
Q406	62139-301-090	TRANSISTOR:KTC 388ATM	
Q407	62137-701-013	TRANSISTOR:KSR 1004 TAPG	
Q408	62137-301-900	TRANSISTOR:KSC 838-Y TAPG	
Q409	62137-701-013	TRANSISTOR:KSR 1004 TAPG	
Q410	62137-701-019	DIGITAL TRANSISTOR:KSR2001-B TAPG	
Q411	62137-302-748	TRANSISTOR:KSC 945-Y TAPG	
R402	61048-177-221	R-METAL FILM:RM 1/8TS 220-J	
R403	61048-177-202	R-METAL FILM:RM 1/8TS 2K-J	
R405	61048-177-750	R-METAL FILM:RM 1/8TS 75-J	
R406	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R407	61048-177-680	R-METAL FILM:RM 1/8TS 68-J	
R408	61048-177-101	R-METAL FILM:RM 1/8TS 100-J	
R409	61048-177-331	R-METAL FILM:RM 1/8TS 330-J	
R410	61048-177-562	R-METAL FILM:RM 1/8TS 5.6K-J	
R411	61048-177-681	R-METAL FILM:RM 1/8TS 680-J	
R412	61048-177-101	R-METAL FILM:RM 1/8TS 100-J	
R413	61048-177-122	R-METAL FILM:RM 1/8TS 1.2K-J	
R414	61048-177-270	R-METAL FILM:RM 1/8TS 27-J	
R415	61048-177-332	R-METAL FILM:RM 1/8TS 3.3K-J	
R416	61048-177-393	R-METAL FILM:RM 1/8TS 39K-J	
R417	61048-177-221	R-METAL FILM:RM 1/8TS 220-J	
R418	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R420	61048-177-510	R-METAL FILM:RM 1/8TS 51-J	
R421	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R422	61048-177-104	R-METAL FILM:RM 1/8TS 100K-J	
R423	61048-177-563	R-METAL FILM:RM 1/8TS 56K-J	
R424	61048-177-473	R-METAL FILM:RM 1/8TS 47K-J	
R425	61048-177-512	R-METAL FILM:RM 1/8TS 5.1K-J	
R427	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R428	61048-177-682	R-METAL FILM:RM 1/8TS 6.8K-J	
R429	61048-177-473	R-METAL FILM:RM 1/8TS 47K-J	
R430	61048-177-683	R-METAL FILM:RM 1/8TS 68K-J	
R431	61048-177-911	R-METAL FILM:RM 1/8TS 910-J	
R432	61048-177-561	R-METAL FILM:RM 1/8TS 560-J	
R437	61048-177-101	R-METAL FILM:RM 1/8TS 100-J	
R445	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R446	61048-177-122	R-METAL FILM:RM 1/8TS 1.2K-J	
R448	61048-177-101	R-METAL FILM:RM 1/8TS 100-J	
R449	61048-177-392	R-METAL FILM:RM 1/8TS 3.9K-J	
R450	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R451	61048-177-102	R-METAL FILM:RM 1/8TS 1K-J	
R460	61048-177-103	R-METAL FILM:RM 1/8TS 10K-J	
R469	61048-177-680	R-METAL FILM:RM 1/8TS 68-J	
VR401	61246-105-103	VR-SEMI:RH0615C 10KB	
	69812-603-030	ASSY-PRE AMP	
	64544-610-810	CASE-BOTTOM PREAMP:SPTE 0.3T	S.N.A
	64544-610-910	CASE-TOP PREAMP:SPTE 0.3T	S.N.A
	63379-600-078	PC BOARD CONNECTOR:3024-10 AHPB	S.N.A
	63005-006-649	PWB-PRE AMP:PAL(G-8) 94V0 1.6X195X110.5	S.N.A
	63054-211-110	WIRE-GND ASSY:1007 #18 150 BLK A0	
C3201	61607-161-101	C-ELECTROLYTIC:CE04W TAPG 10V 100M(LL)	
C3202	61507-121-511	C-POLTESTER:CQ921M TAPG 100V 0.022M-J	
C3203	61507-121-511	C-POLTESTER:CQ921M TAPG 100V 0.022M-J	
C3204	61507-121-511	C-POLTESTER:CQ921M TAPG 100V 0.022M-J	
C3205	61507-121-511	C-POLTESTER:CQ921M TAPG 100V 0.022M-J	
C3206	61507-121-511	C-POLTESTER:CQ921M TAPG 100V 0.022M-J	
C3207	61507-121-511	C-POLTESTER:CQ921M TAPG 100V 0.022M-J	
C3208	61507-121-511	C-POLTESTER:CQ921M TAPG 100V 0.022M-J	
C3209	61507-121-511	C-POLTESTER:CQ921M TAPG 100V 0.022M-J	
C3210	61507-121-511	C-POLTESTER:CQ921M TAPG 100V 0.022M-J	
C3211	61407-101-240	C-CERAMIC.TEMP:CC45 SL TAPG 50V 33-J	
C3212	61407-101-240	C-CERAMIC.TEMP:CC45 SL TAPG 50V 33-J	
C3213	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V 1M	
C3214	61507-121-511	C-POLTESTER:CQ921M TAPG 100V 0.022M-J	
C3215	61607-401-471	C-ELECTROLYTIC:CE04W TAPG 16V 100M(SG)	
CN301	63349-601-070	CONNECTOR WAFER:5234-08A	
CN303	63053-609-995	LEAD CONN ASSY:1429 #26 BLK 300 CN306	
IC3201	62119-103-661	IC:LA7320	
L3201	62427-812-101	COIL-PEAKING:EL0606RA-101J(100UH) TAPG	
L3202	62429-833-101	COIL-PEAKING AXIAL:BAL04ST 101K	
R3201	61048-177-181	R-METAL FILM:RM 1/8TS 180-J	
R3202	61048-177-221	R-METAL FILM:RM 1/8TS 220-J	
R3203	61048-177-479	R-METAL FILM:RM 1/8TS 4.7-J	
TP3201	65104-702-510	PIN TEST POINT:BSW 1/2H PI0.9 SN7.5	S.N.A

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7. MECHNICAL EXPLODED VIEWS

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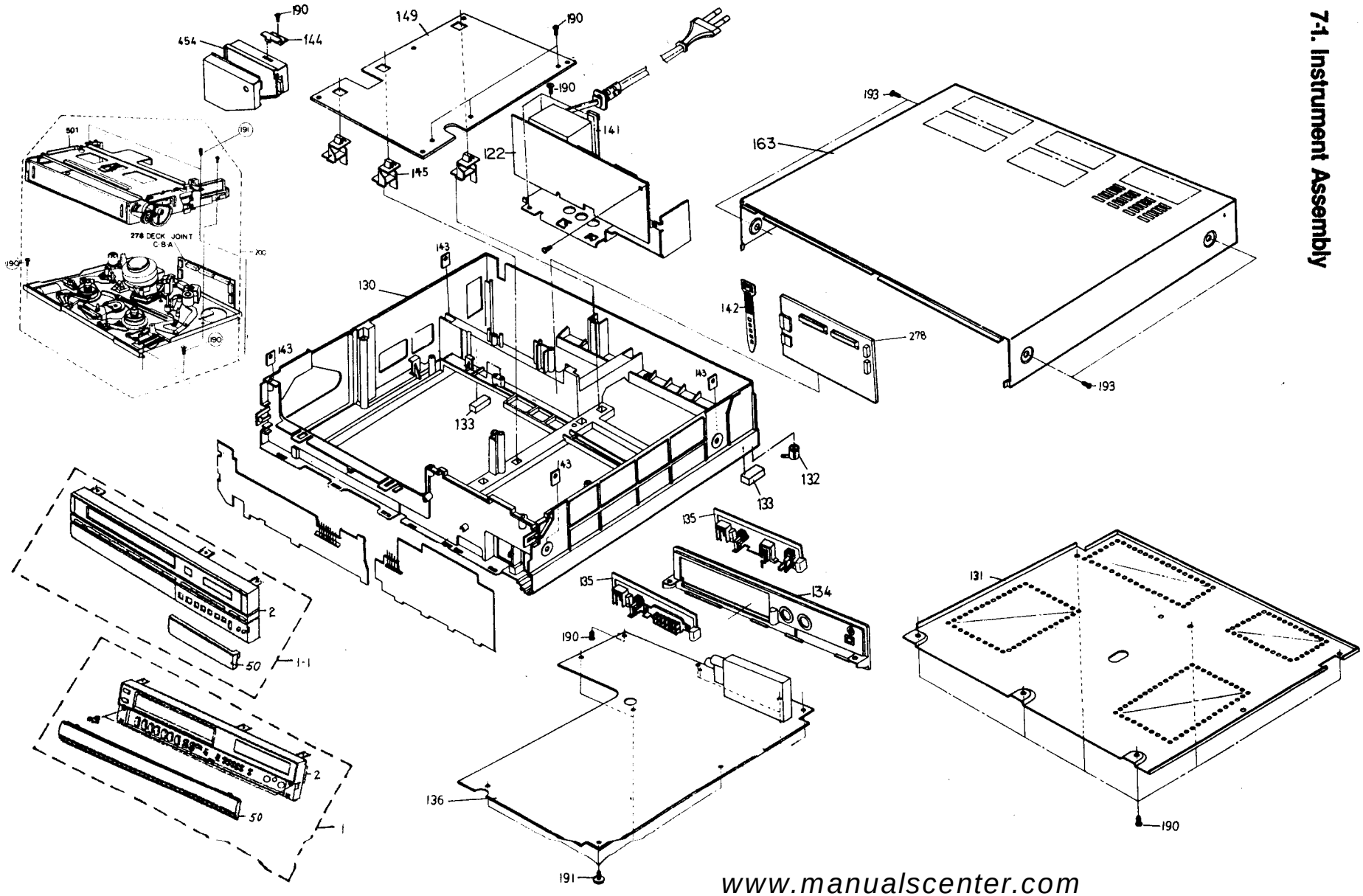

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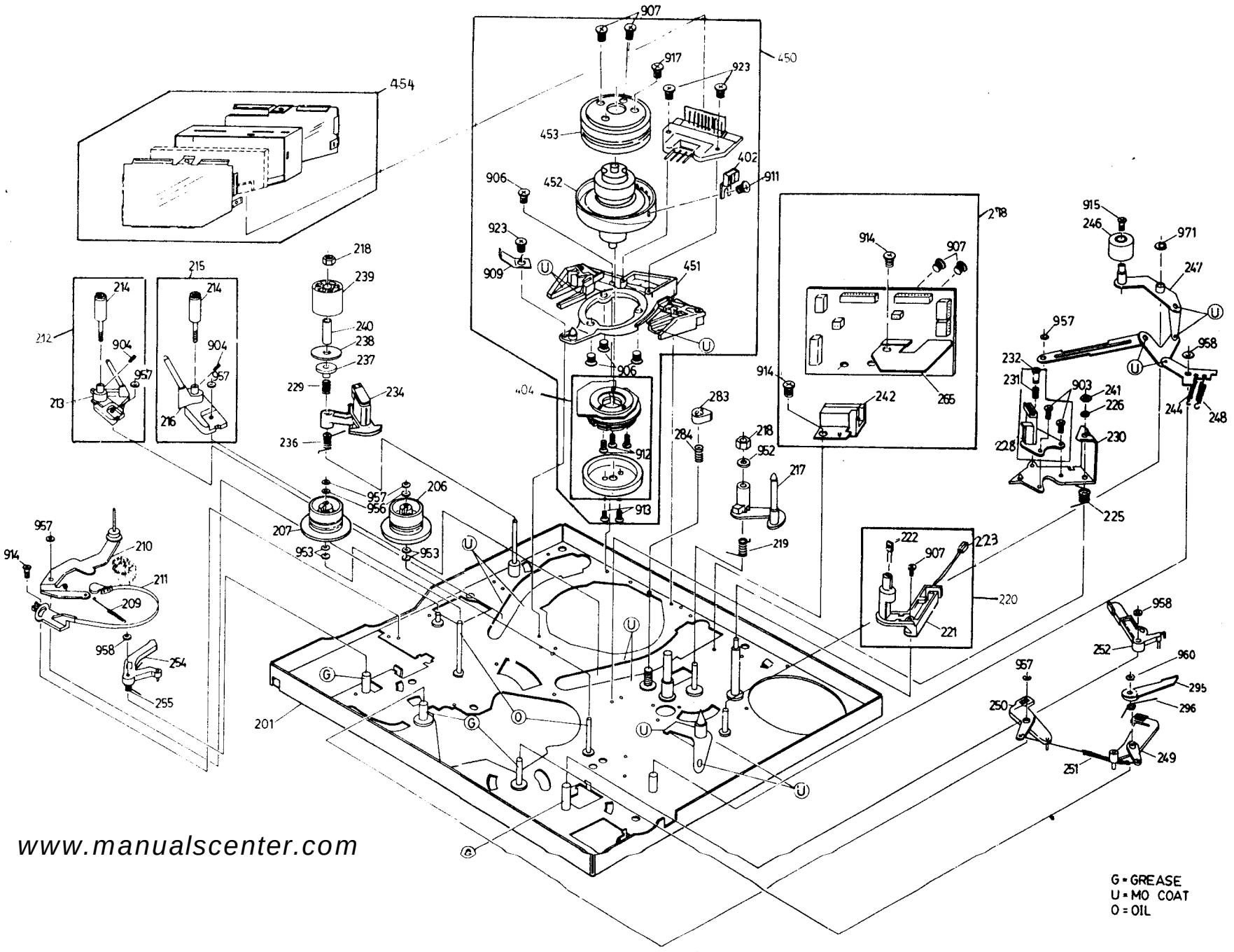

G = GREASE
U = MO COAT
O = OIL

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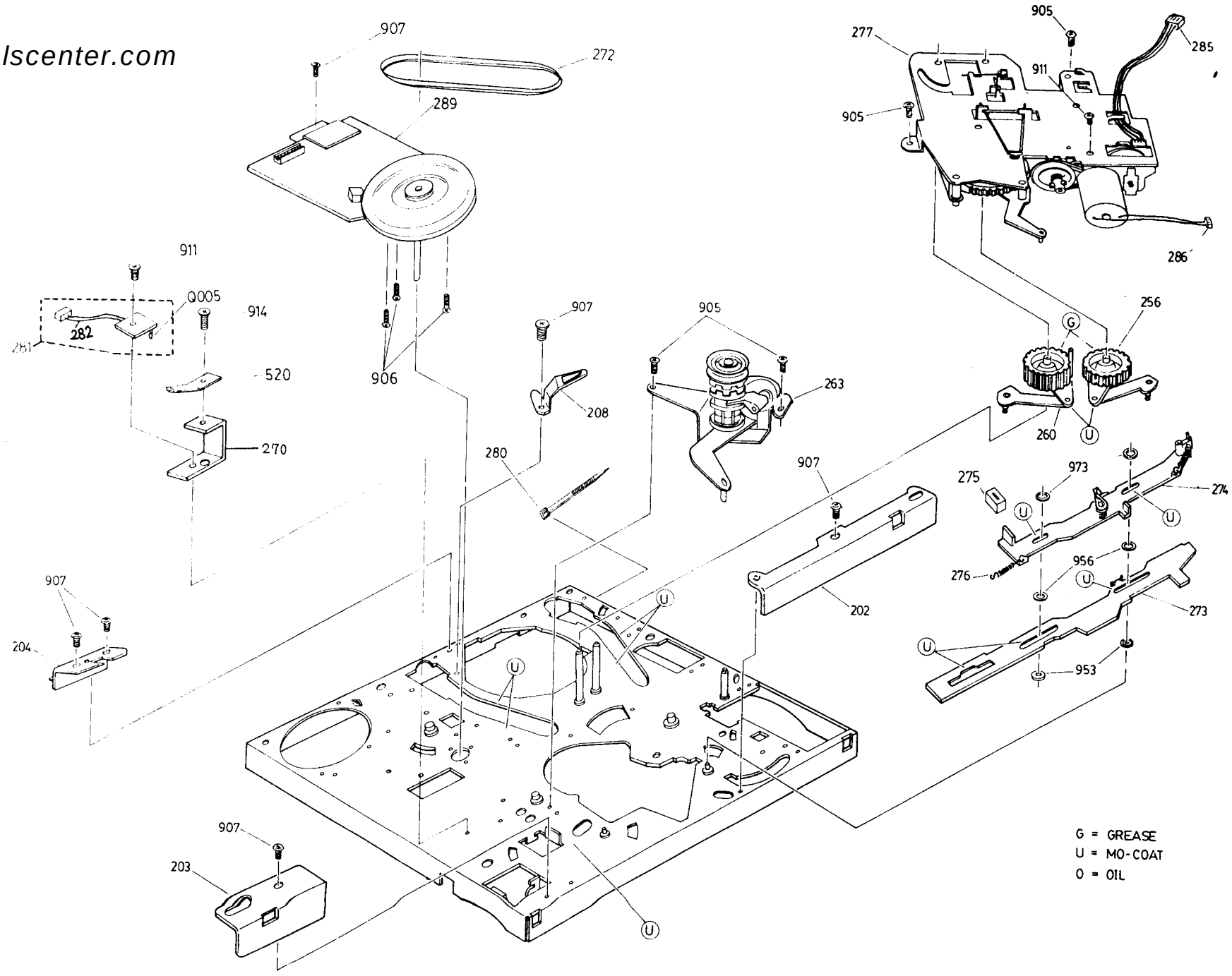

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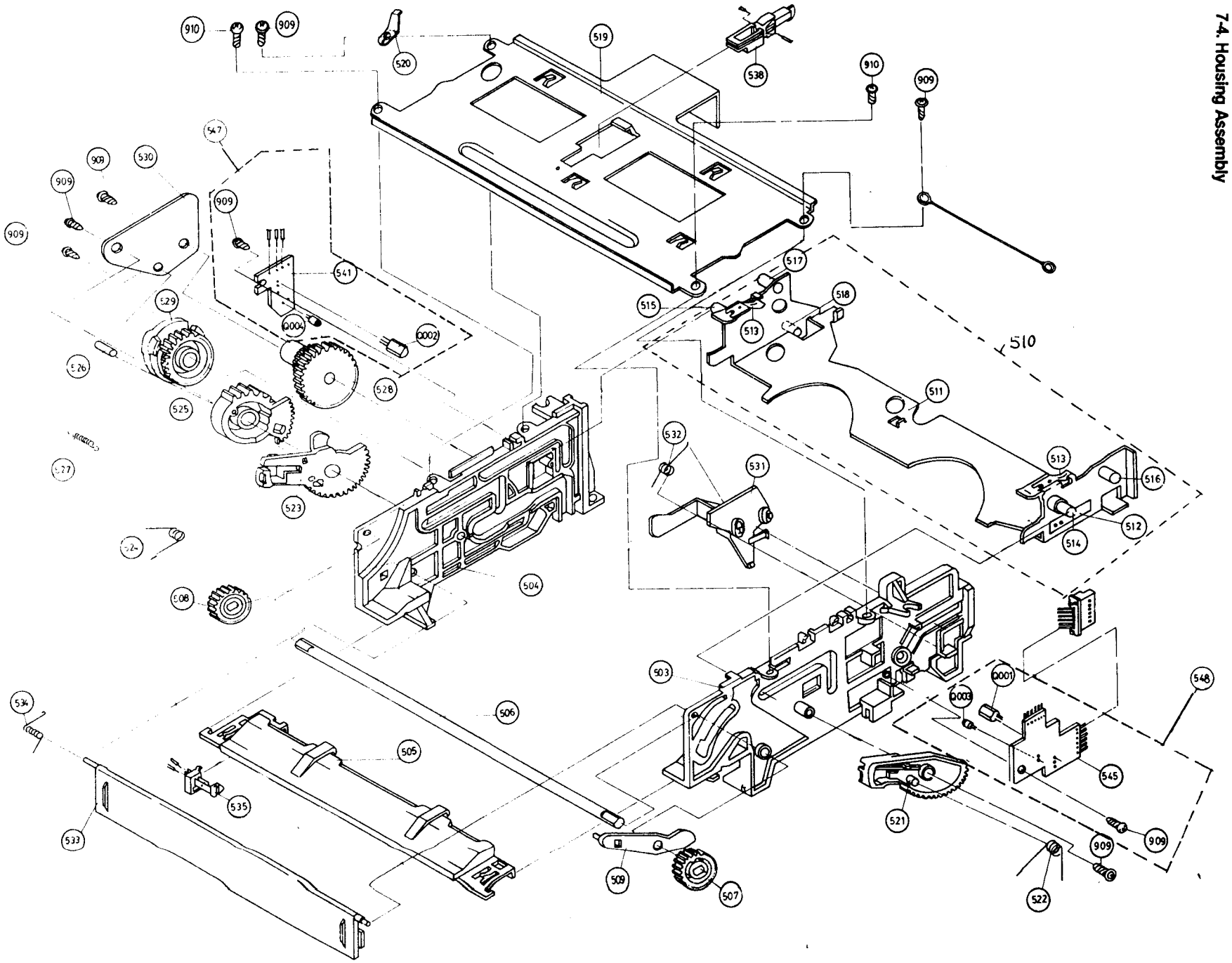

8. BLOCK DIAGRAMS

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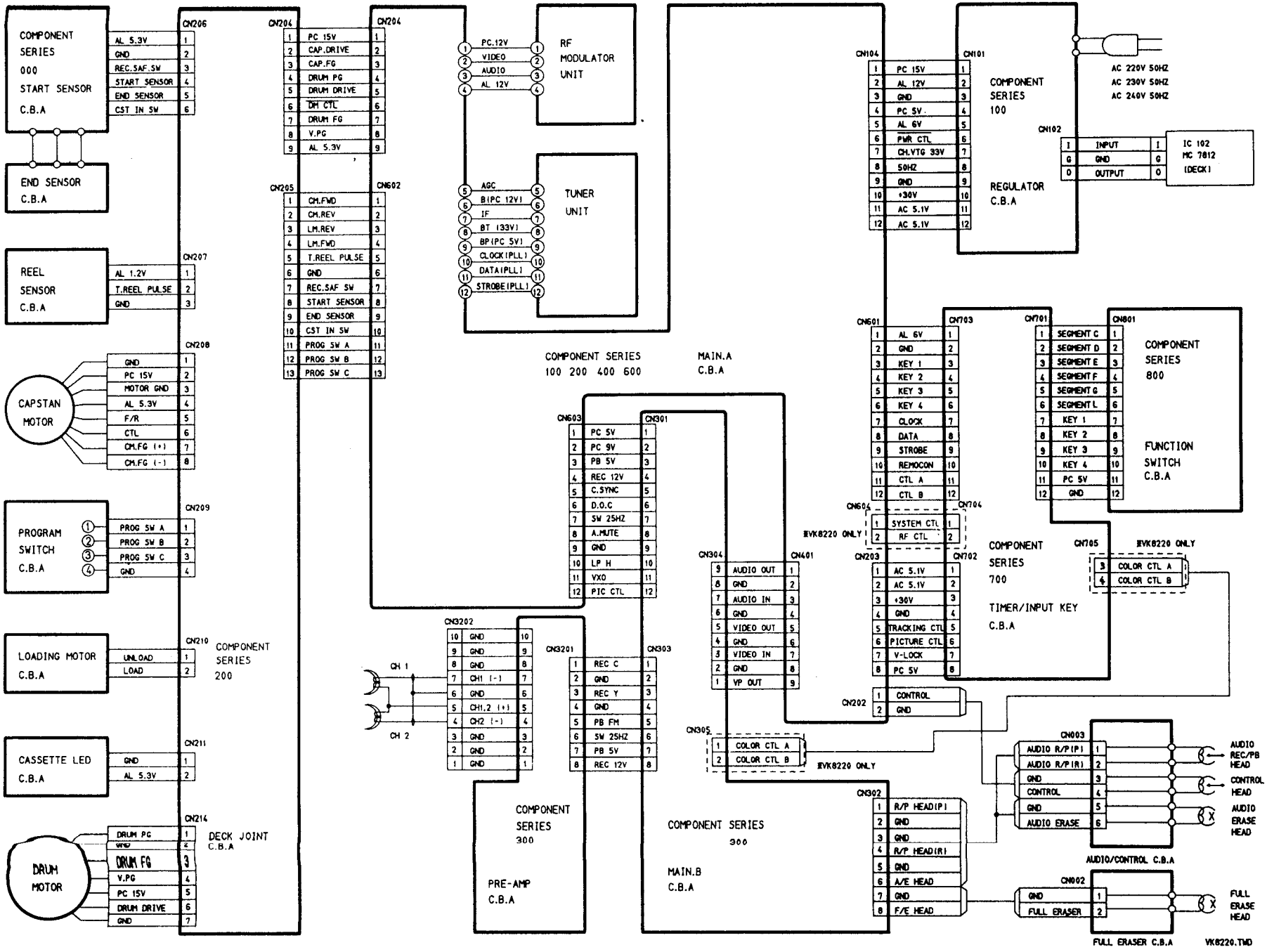
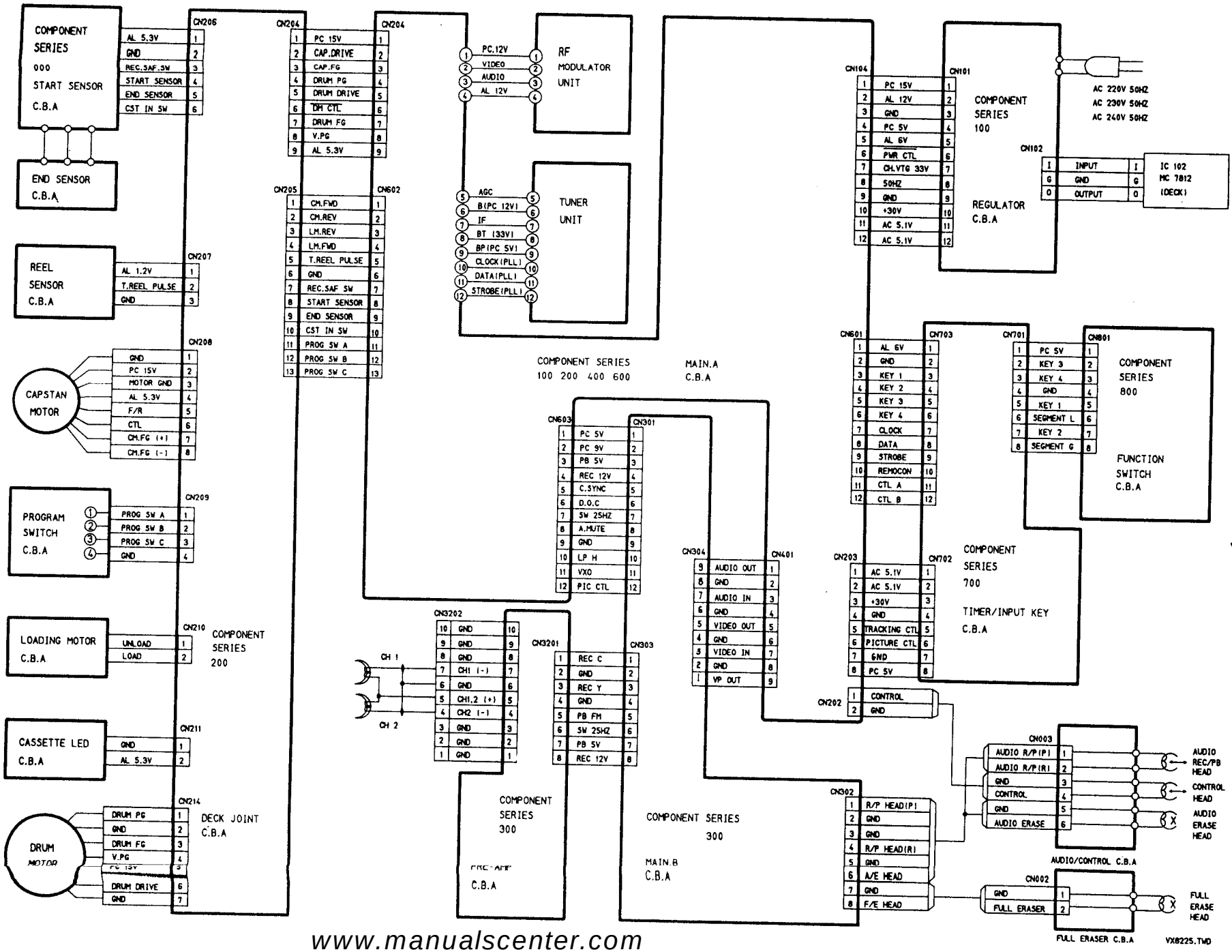
8-1. Total Wiring Diagram (8220 series)





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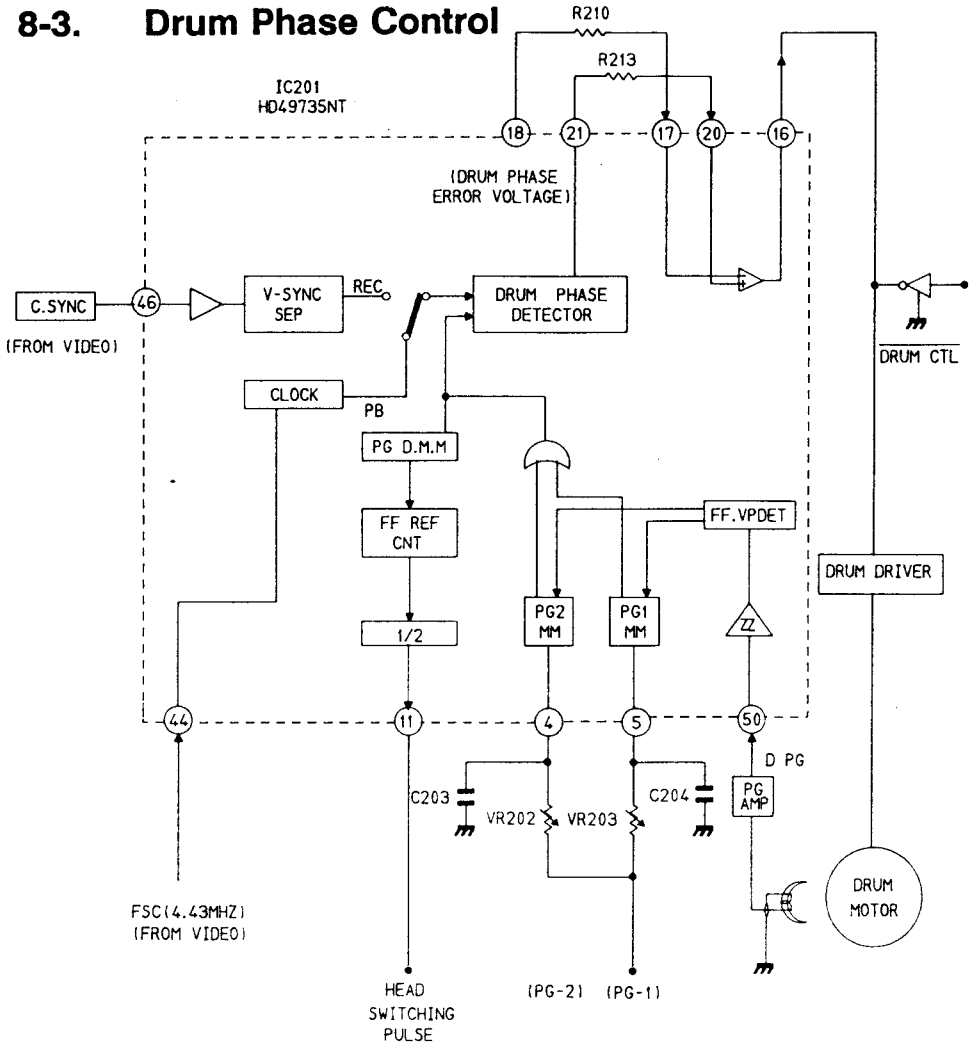
8-3. Drum Phase Control



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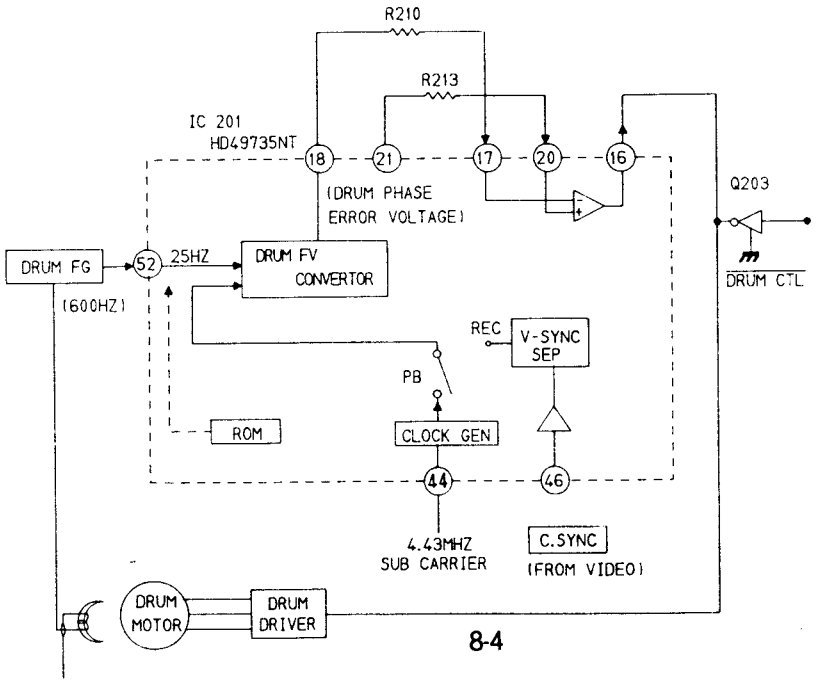
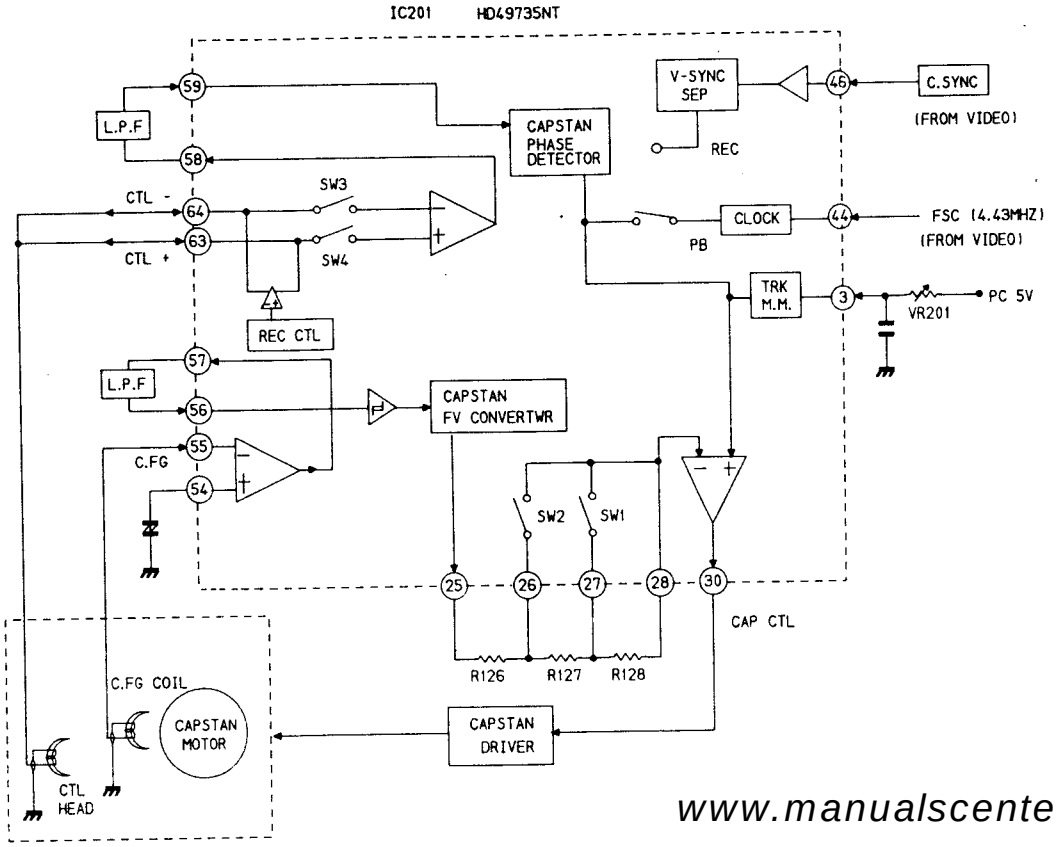
8-4. Drum Speed Control



8-5. Capstan Phase Control



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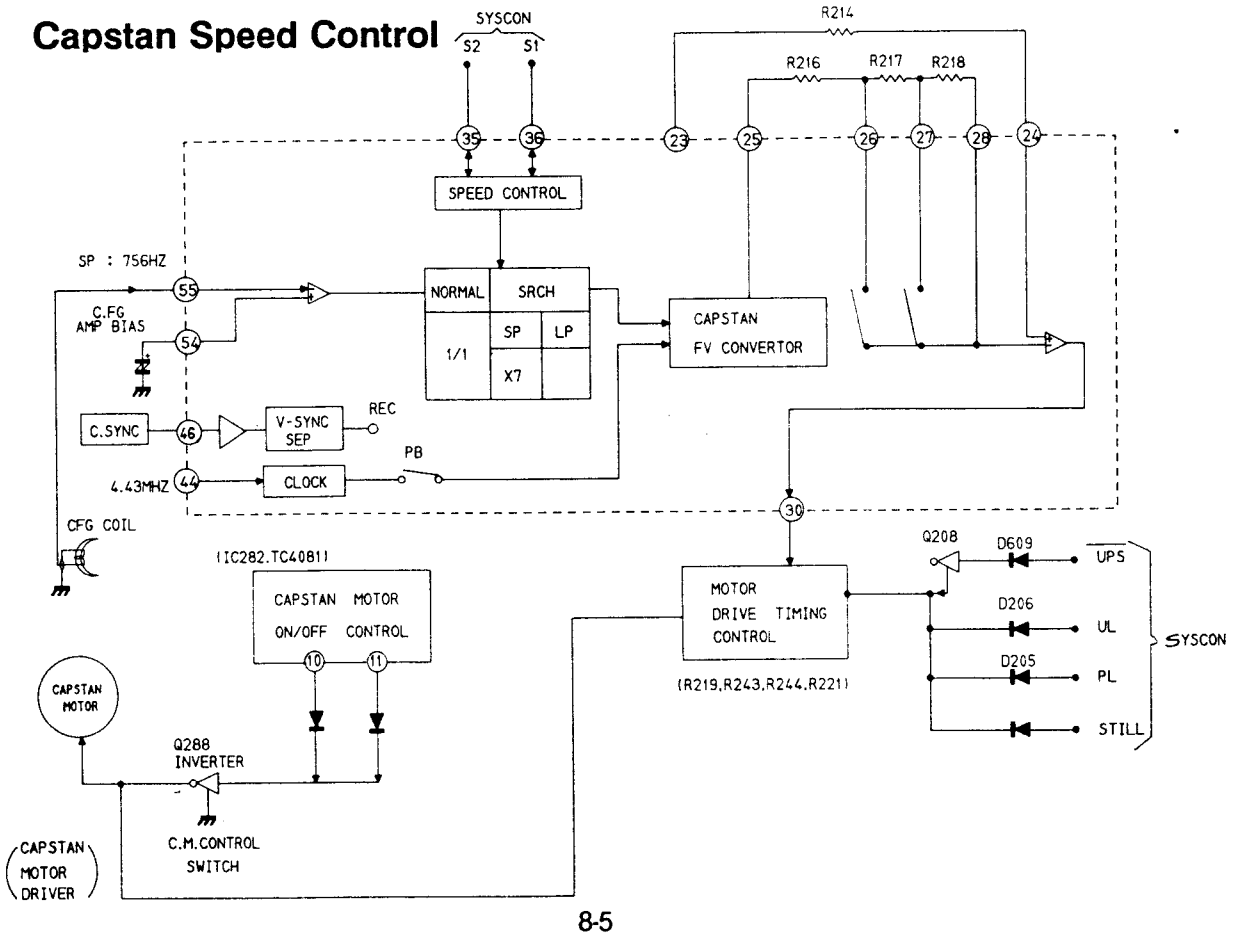
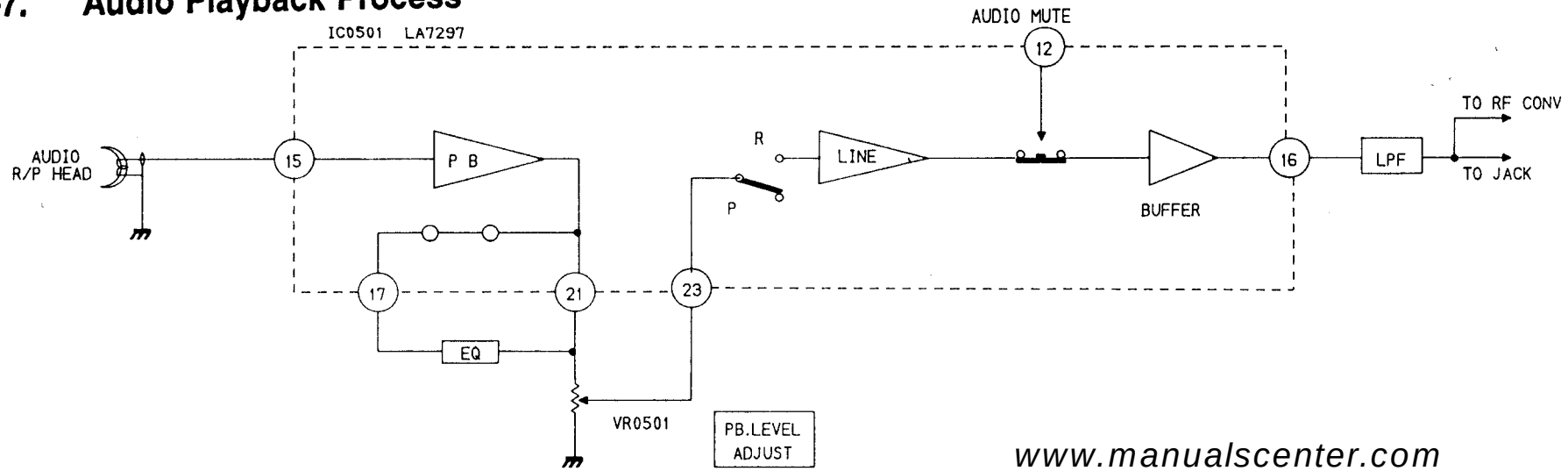
8-6. Capstan Speed Control



8-7. Audio Playback Process



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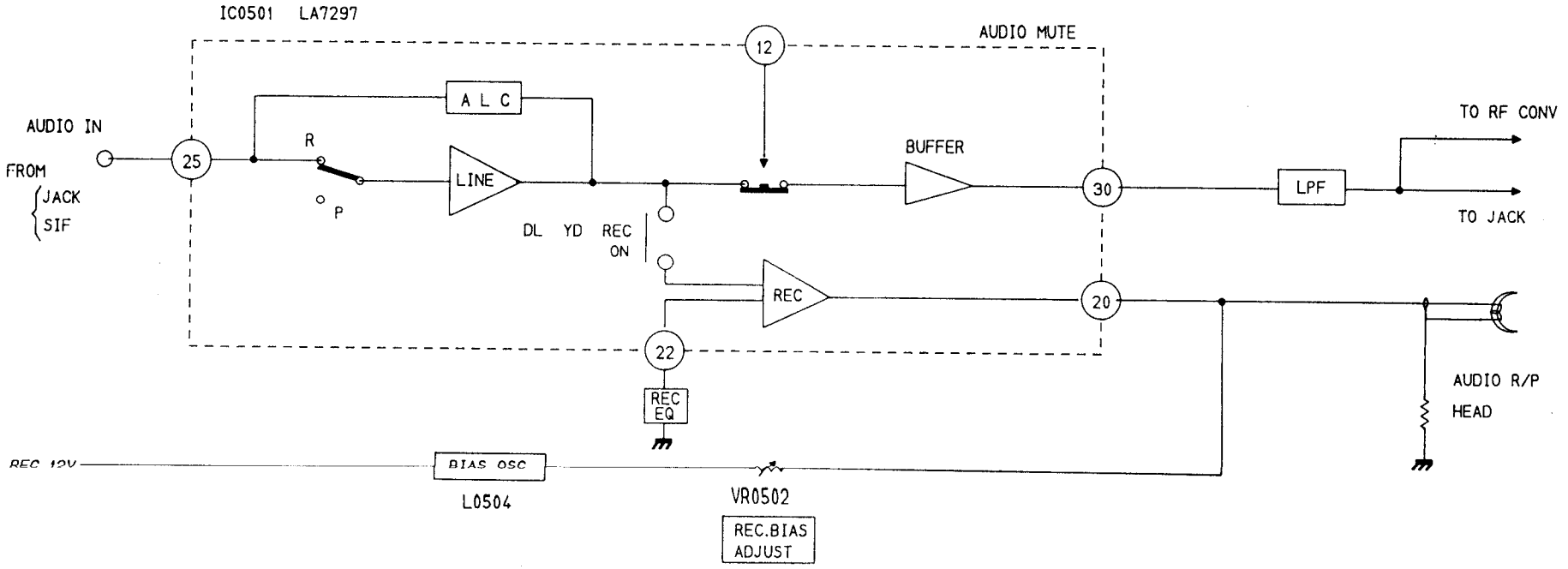
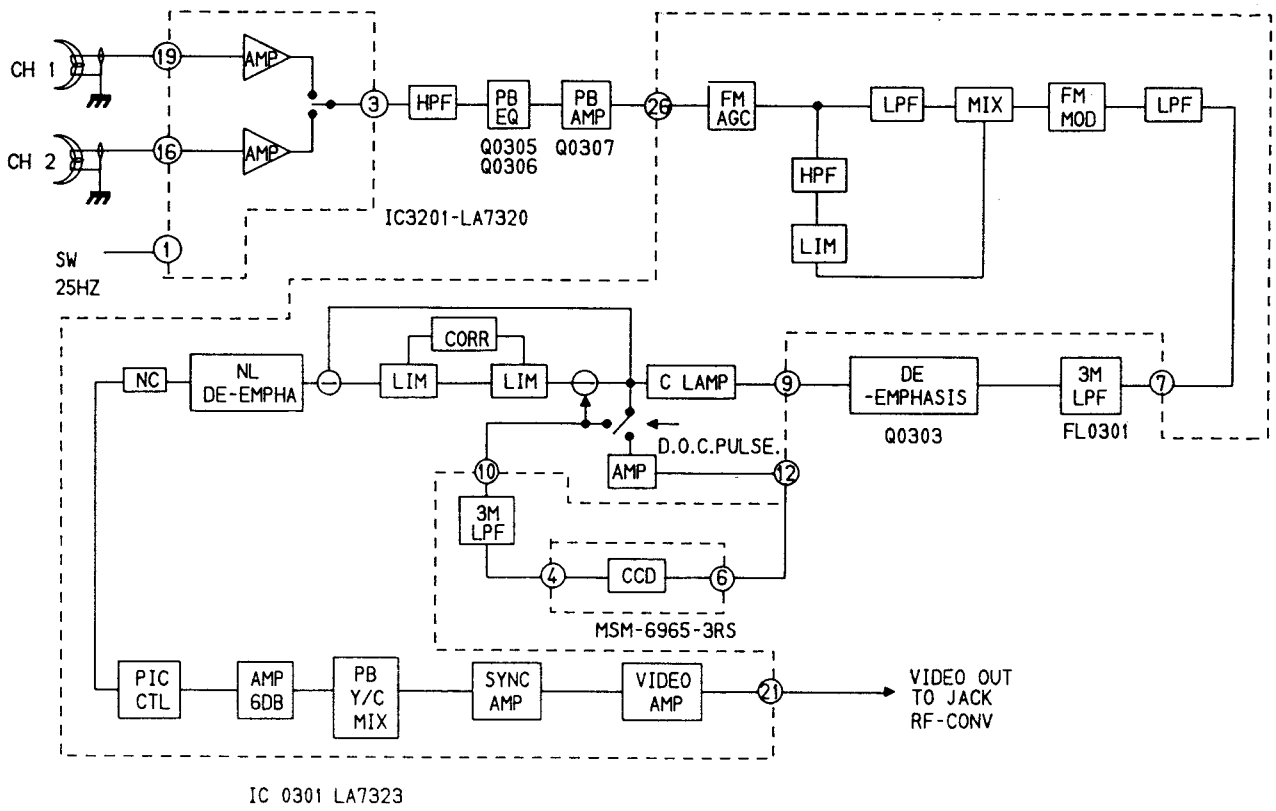
8-8. Audio Record Process



8-9. Luminance Playback Process



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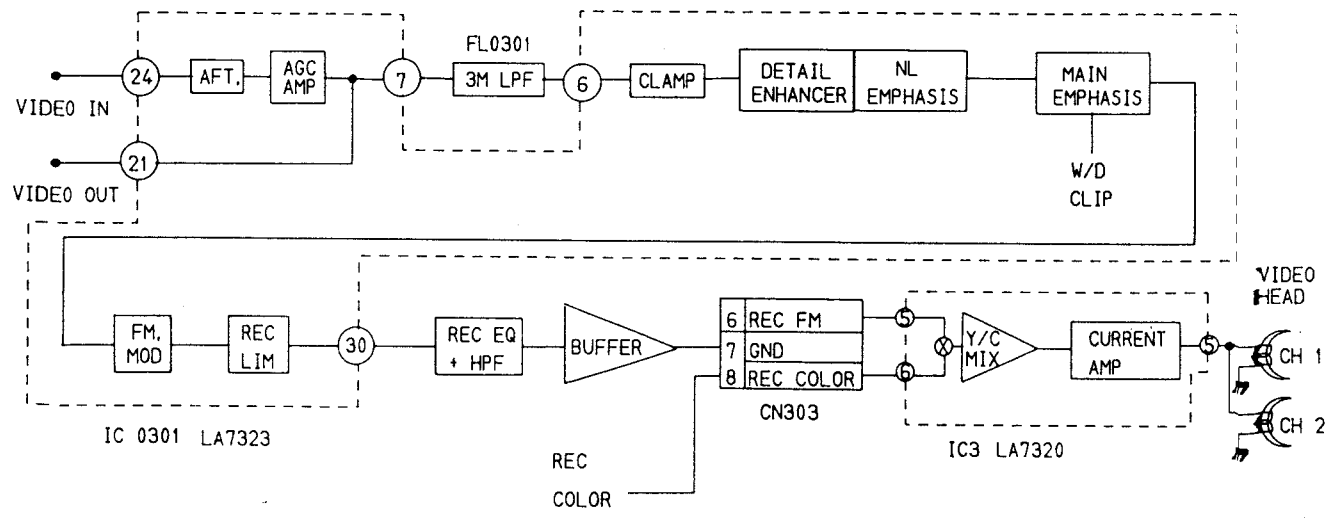
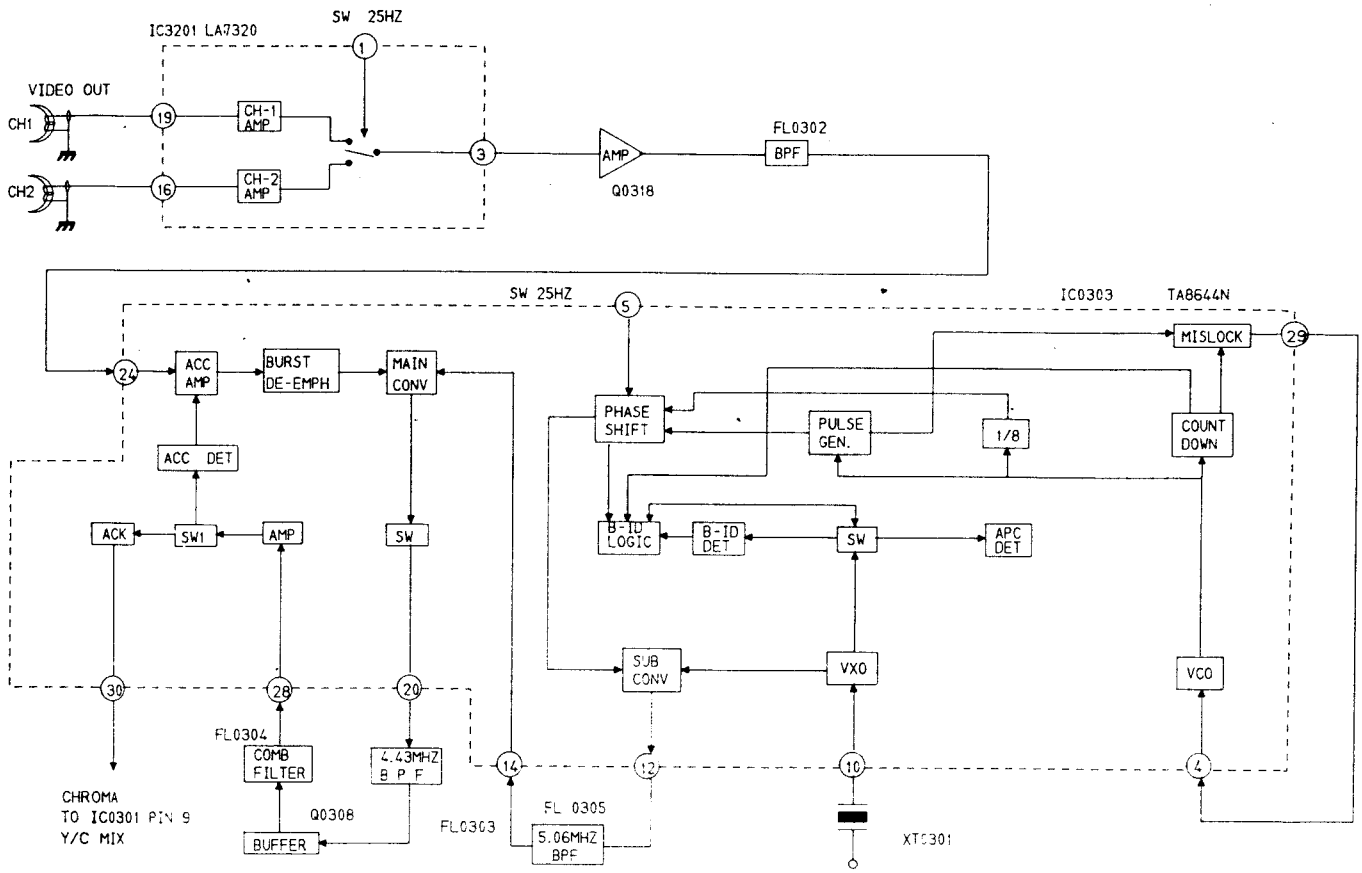
8-10. Luminance Record Process



8-11. PAL Chrominance Playback Process



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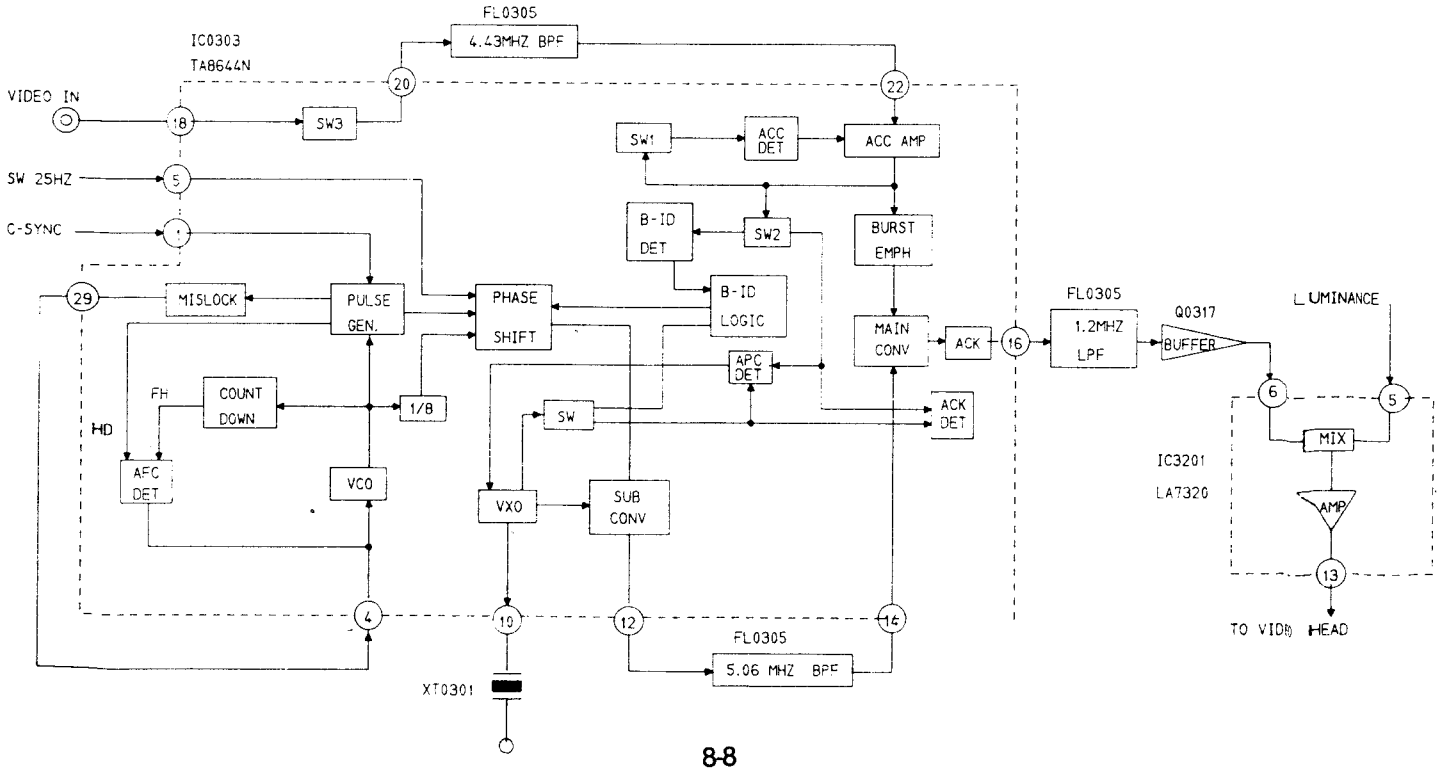
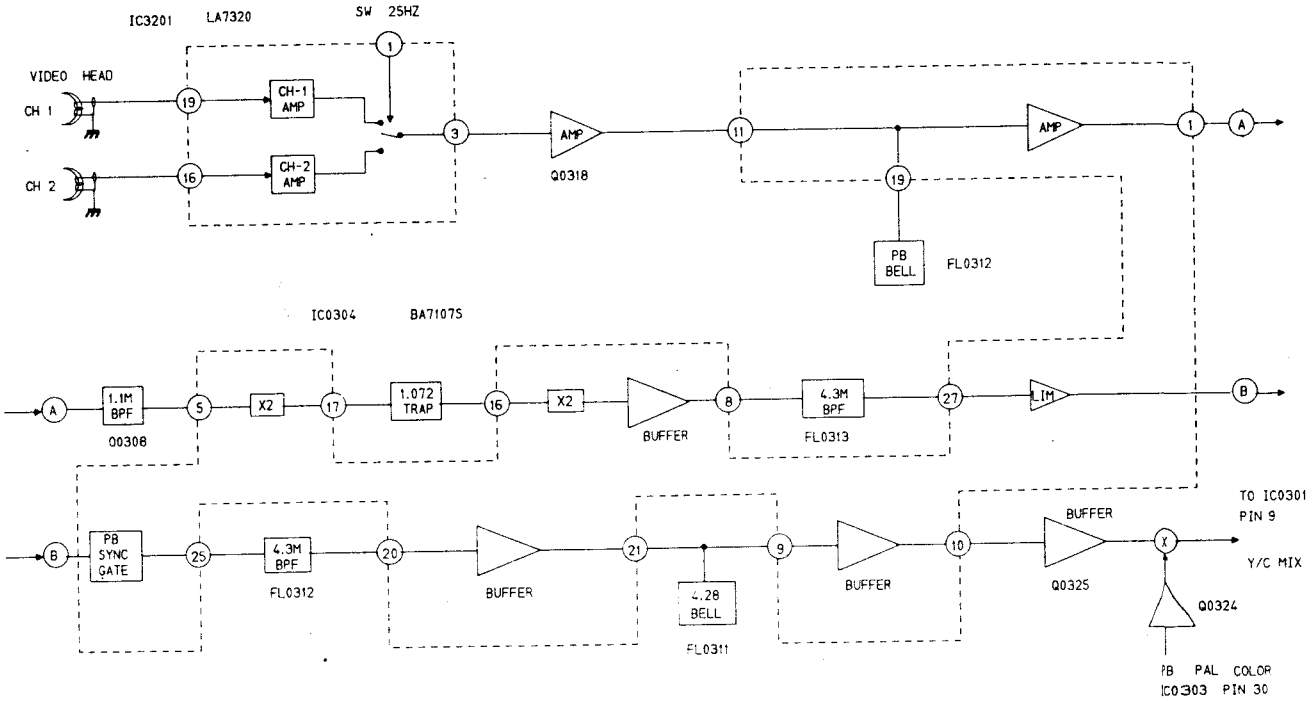
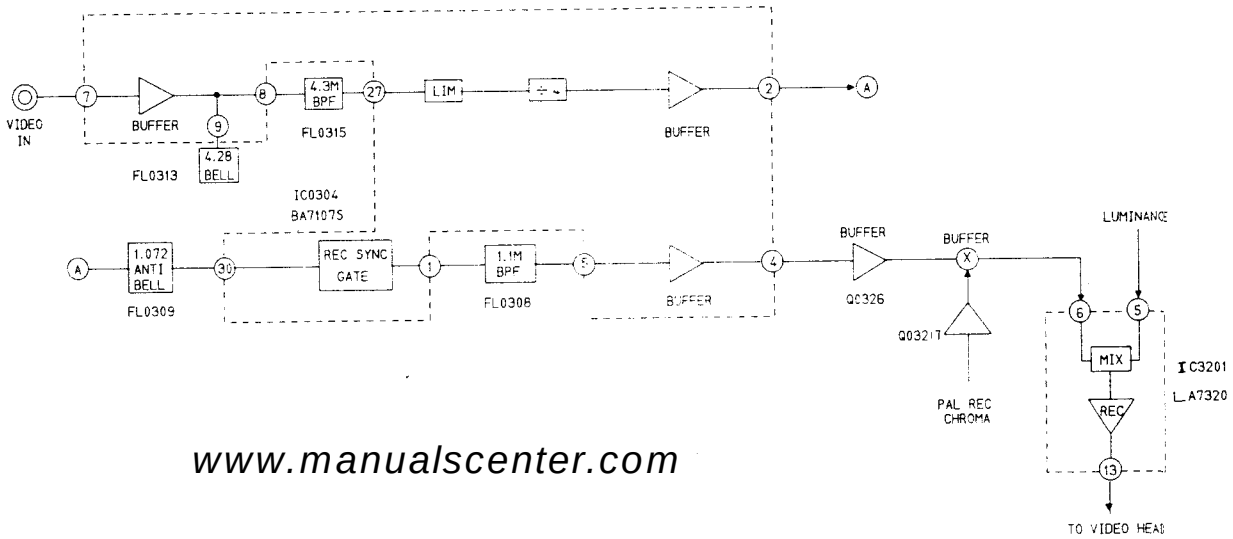
8-12 PAL Chrominance Record Process



8-13 SECAM Chrominance Playback



8-14 SECAM Chrominance Record Process Process



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9. CIRCUIT BOARDS

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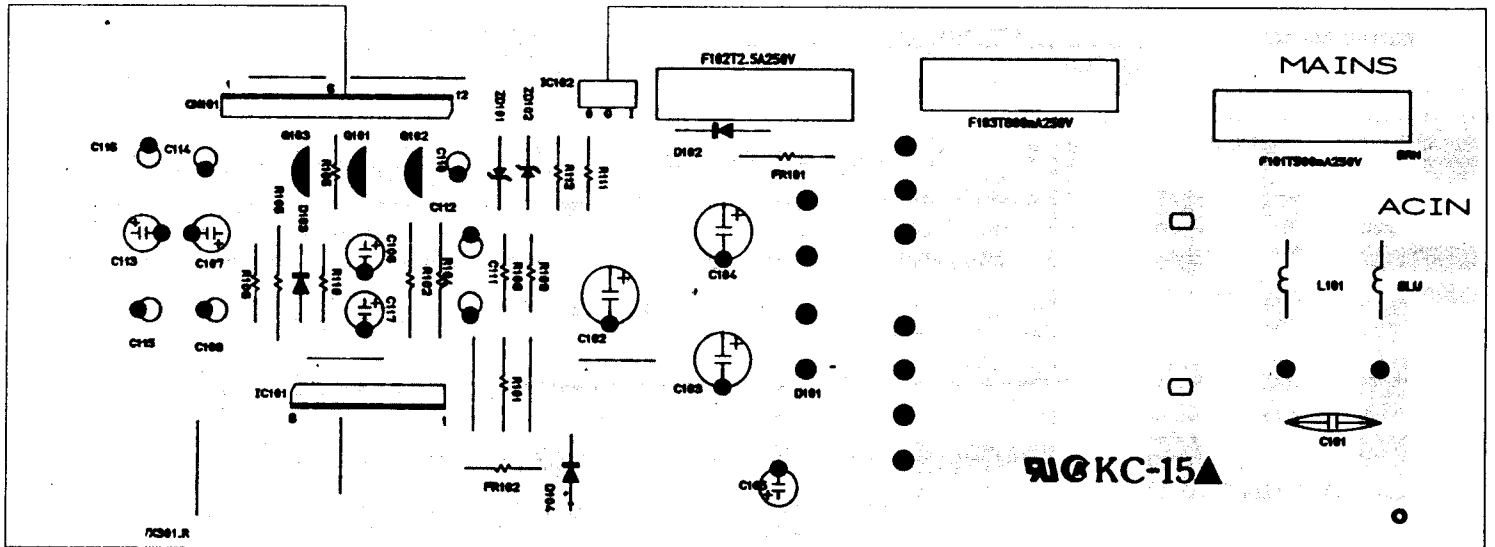

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CN101

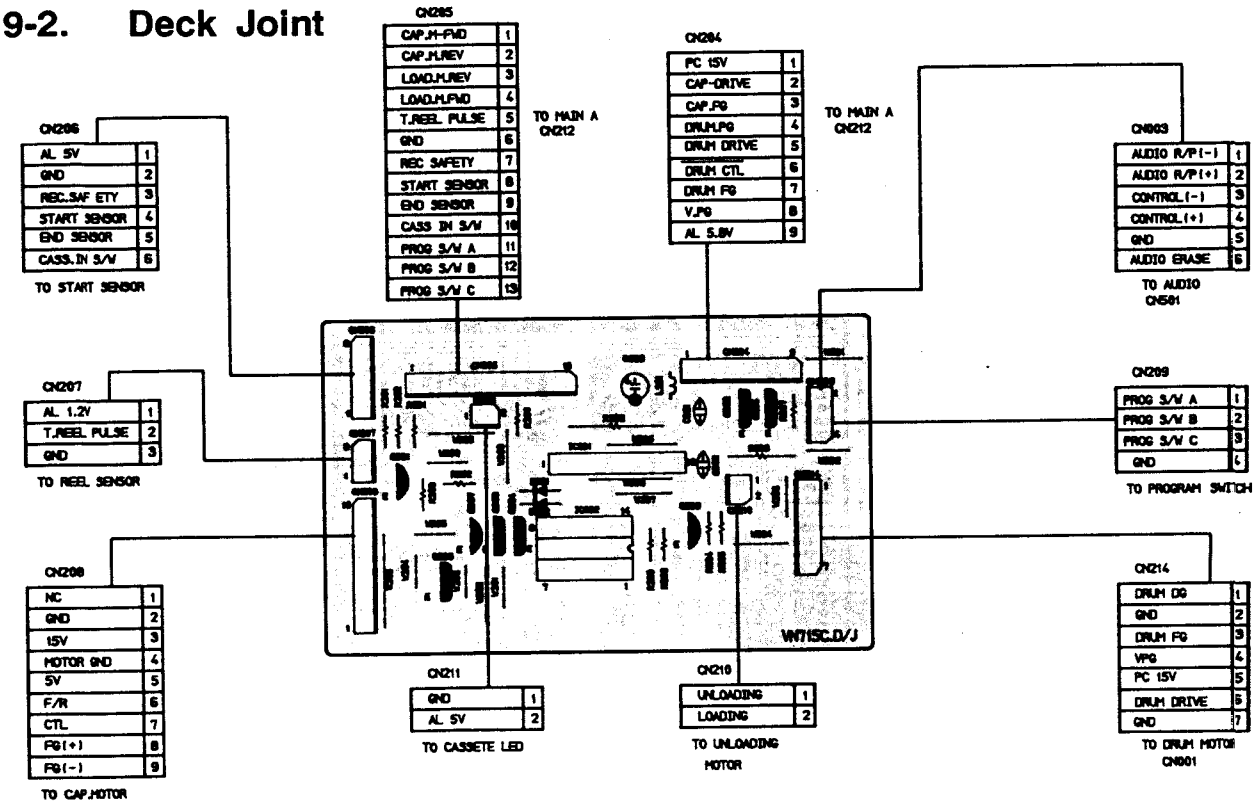
1	PC 15V
2	AL 12V
3	GND
4	PC 5V
5	AL 6V
6	PWR CTL
7	PRST.VTG
8	50HZ
9	GND
10	30V
11	5.1V
12	5.1V

IC102

1	IN PUT
2	GND
3	OUT PUT

TO DRUM ASSY

9-2. Deck Joint



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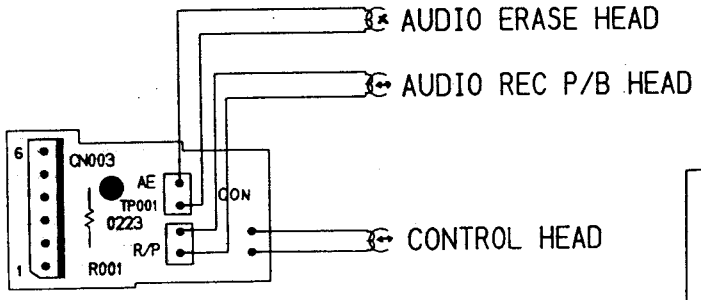
9-3. Audio/Control Head

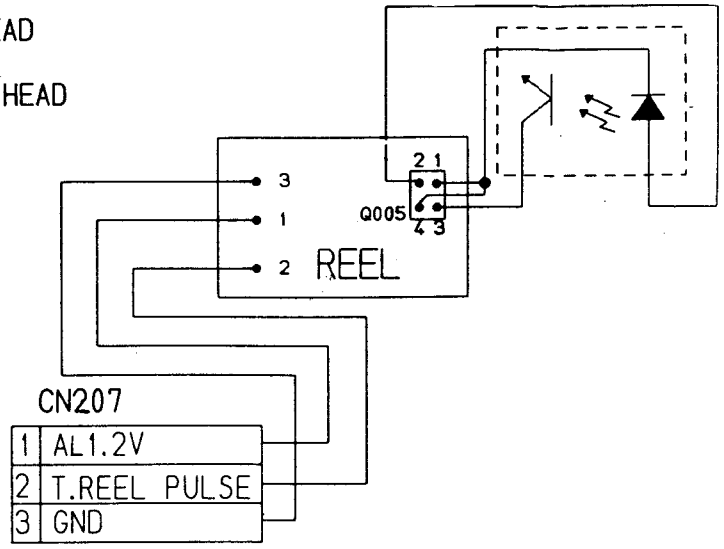


CN003

1	AUDIO R/P (-)
2	AUDIO R/P (+)
3	GND
4	CONTROL
5	GND
6	AUDIO ERASE

TO
MAIN

9-5. Reel Sensor



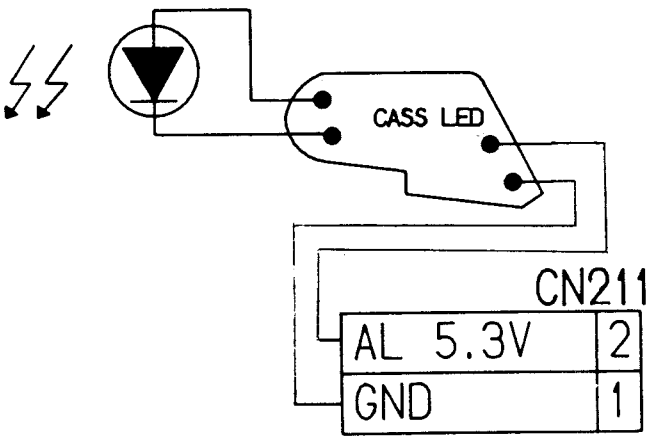
CN207

1	AL1.2V
2	T.REEL PULSE
3	GND

TO
DECK JOINT
CN207

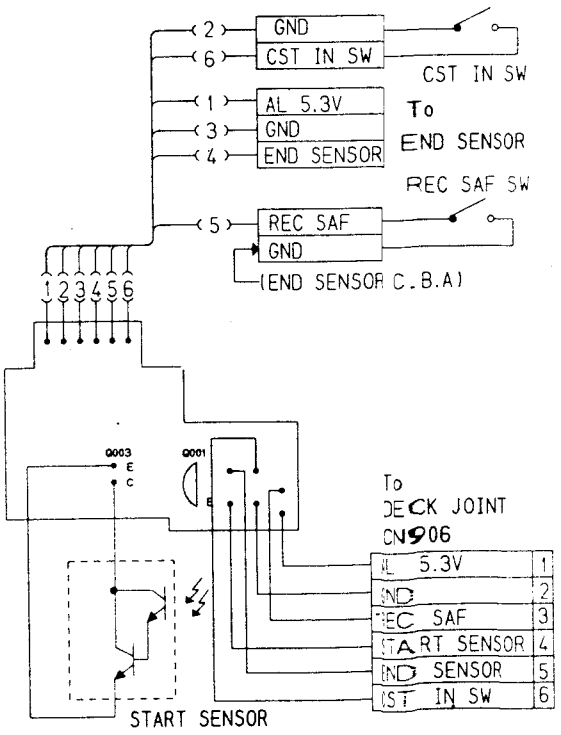
www.manualscenter.com

9-4. Cassette LED

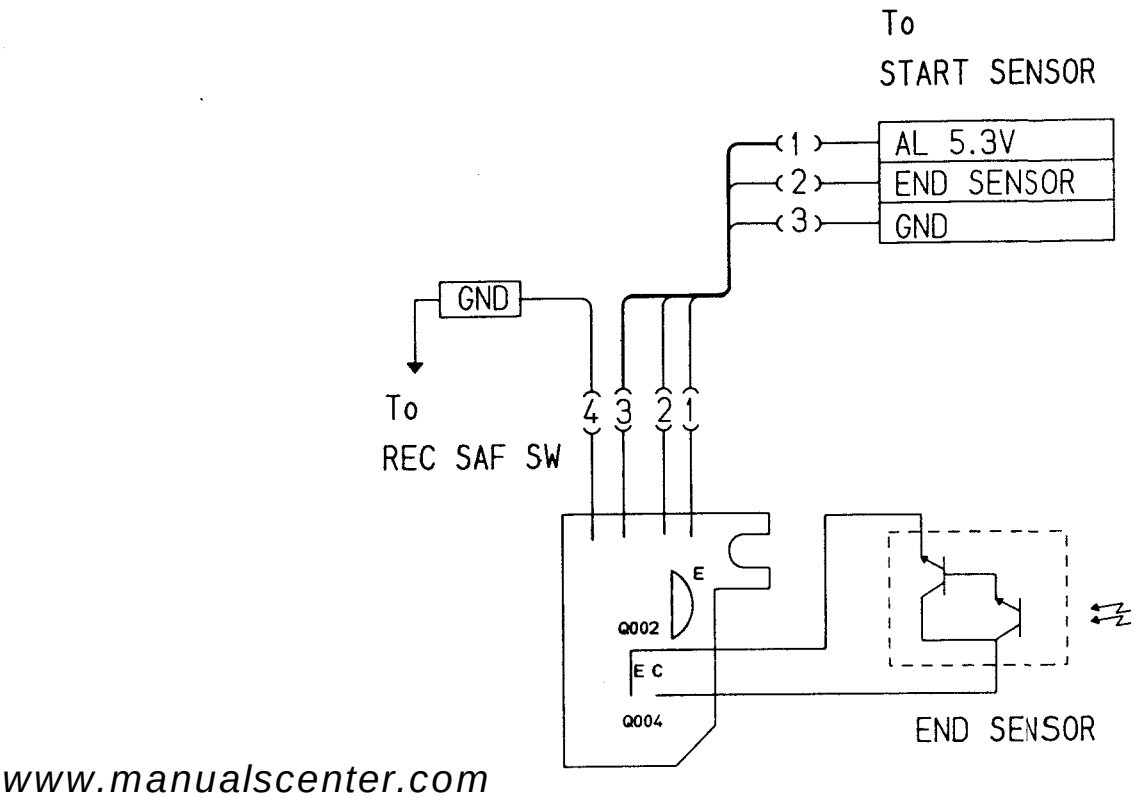


TO
DECK JOINT
CN211

9-6. Start Sensor



9-7. End Sensor



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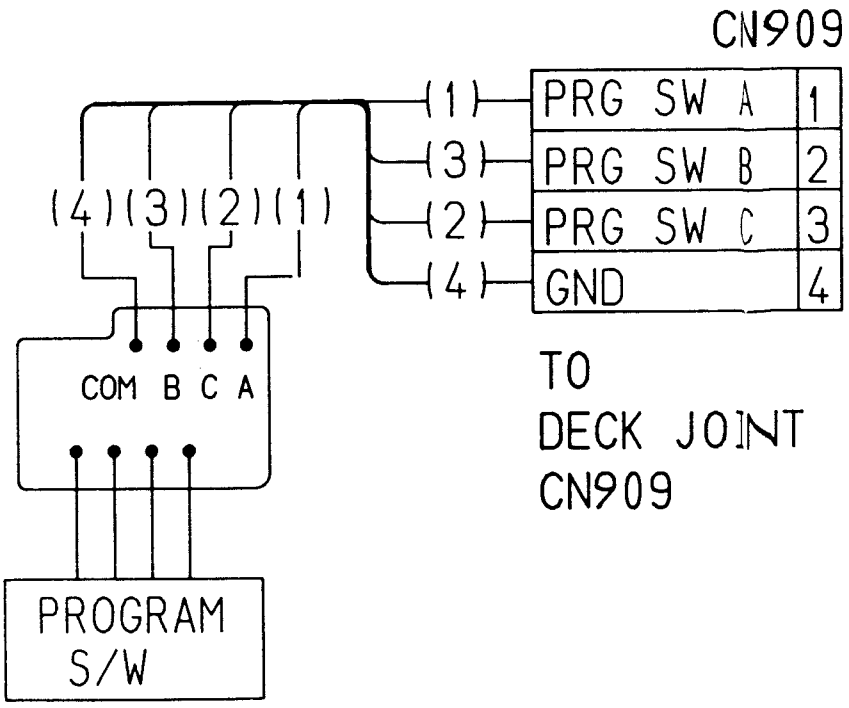
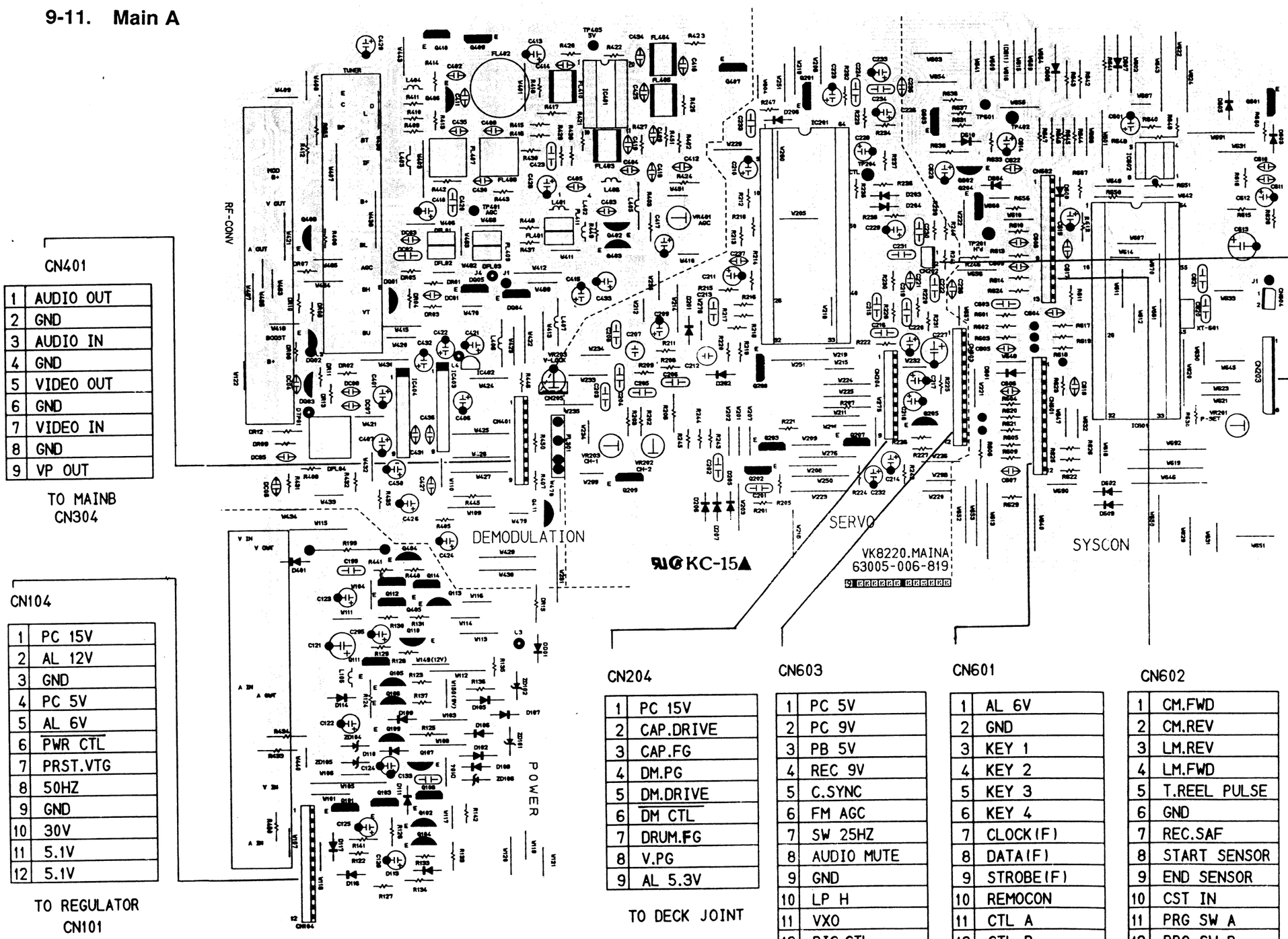
9-8. Program Switch



9-11. Main A



CN401

1	AUDIO OUT
2	GND
3	AUDIO IN
4	GND
5	VIDEO OUT
6	GND
7	VIDEO IN
8	GND
9	VP OUT

TO MAINB
CN304

CN104

1	PC 15V
2	AL 12V
3	GND
4	PC 5V
5	AL 6V
6	PWR CTL
7	PRST.VTG
8	50HZ
9	GND
10	30V
11	5.1V
12	5.1V

TO REGULATOR
CN101

CN202

1	CTL (+)
2	CTL (-)

TO AUDIO/CTL
HEAD CN003

CN203

1	5.1V
2	5.1V
3	30V
4	GND
5	TRACKING CTL
6	PICTURE CTL
7	V-LOCK
8	PC 5V

TO TIMER
CN702

CN204

1	PC 15V
2	CAP.DRIVE
3	CAP.FG
4	DM.PG
5	DM.DRIVE
6	DM CTL
7	DRUM.FG
8	V.PG
9	AL 5.3V

TO DECK JOINT

CN603

1	PC 5V
2	PC 9V
3	PB 5V
4	REC 9V
5	C.SYNC
6	FM AGC
7	SW 25HZ
8	AUDIO MUTE
9	GND
10	LP H
11	VXO
12	PIC.CTL

TO MAINB
CN301

CN601

1	AL 6V
2	GND
3	KEY 1
4	KEY 2
5	KEY 3
6	KEY 4
7	CLOCK(F)
8	DATA(F)
9	STROBE(F)
10	REMOCON
11	CTL A
12	CTL B

TO TIMER
CN702

CN602

1	CM.FWD
2	CM.REV
3	LM.REV
4	LM.FWD
5	T.REEL PULSE
6	GND
7	REC.SAF
8	START SENSOR
9	END SENSOR
10	CST IN
11	PRG SW A
12	PRG SW B
13	PRG SW C

TO DECK JOINT
CN205

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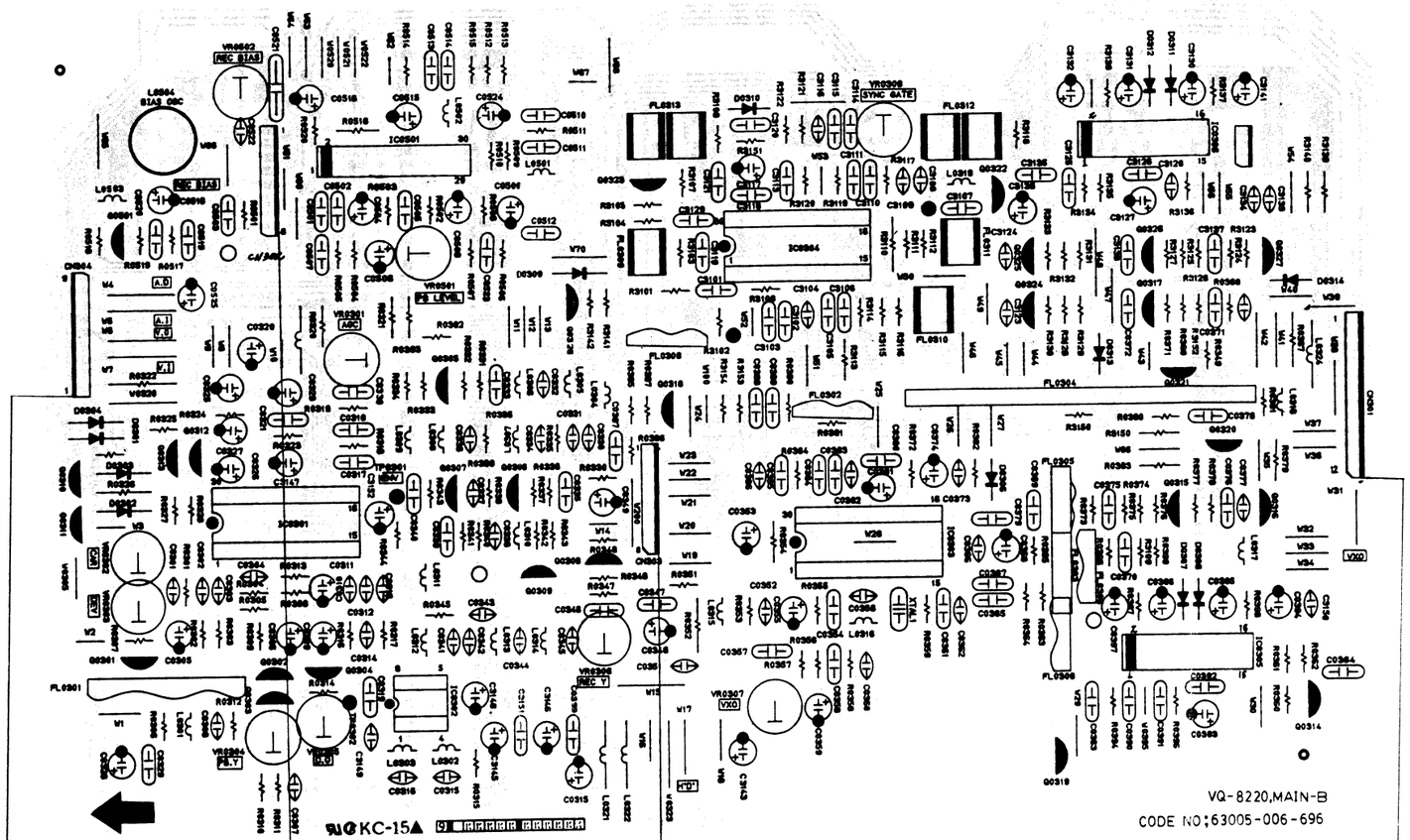
9-12. Main B(8220 Series)



CN304

9	AUDIO OUT	1
8	GND	2
7	AUDIO IN	3
6	GND	4
5	VIDEO OUT	5
4	GND	6
3	VIDEO IN	7
2	GND	8
1	VP OUT	9

CN401

CN302

1	R/P HEAD(P)
2	GND
3	GND
4	R/P HEAD(R)
5	GND
6	A/E HEAD
7	GND
8	F/E HEAD

CN3201

1	REC C	1
2	GND	2
3	REC Y	3
4	GND	4
5	PB FM	5
6	SW 25HZ	6
7	PB 5V	7
8	REC 12V	8

CN303

CN603

1	PC 5V	1
2	PC 9V	2
3	PB 5V	3
4	REC 12V	4
5	C.SYNC	5
6	D.O.C	6
7	SW 25HZ	7
8	A.MUTE	8
9	GND	9
10	LP H	10
11	VXO	11
12	PIC CTL	12

CN301

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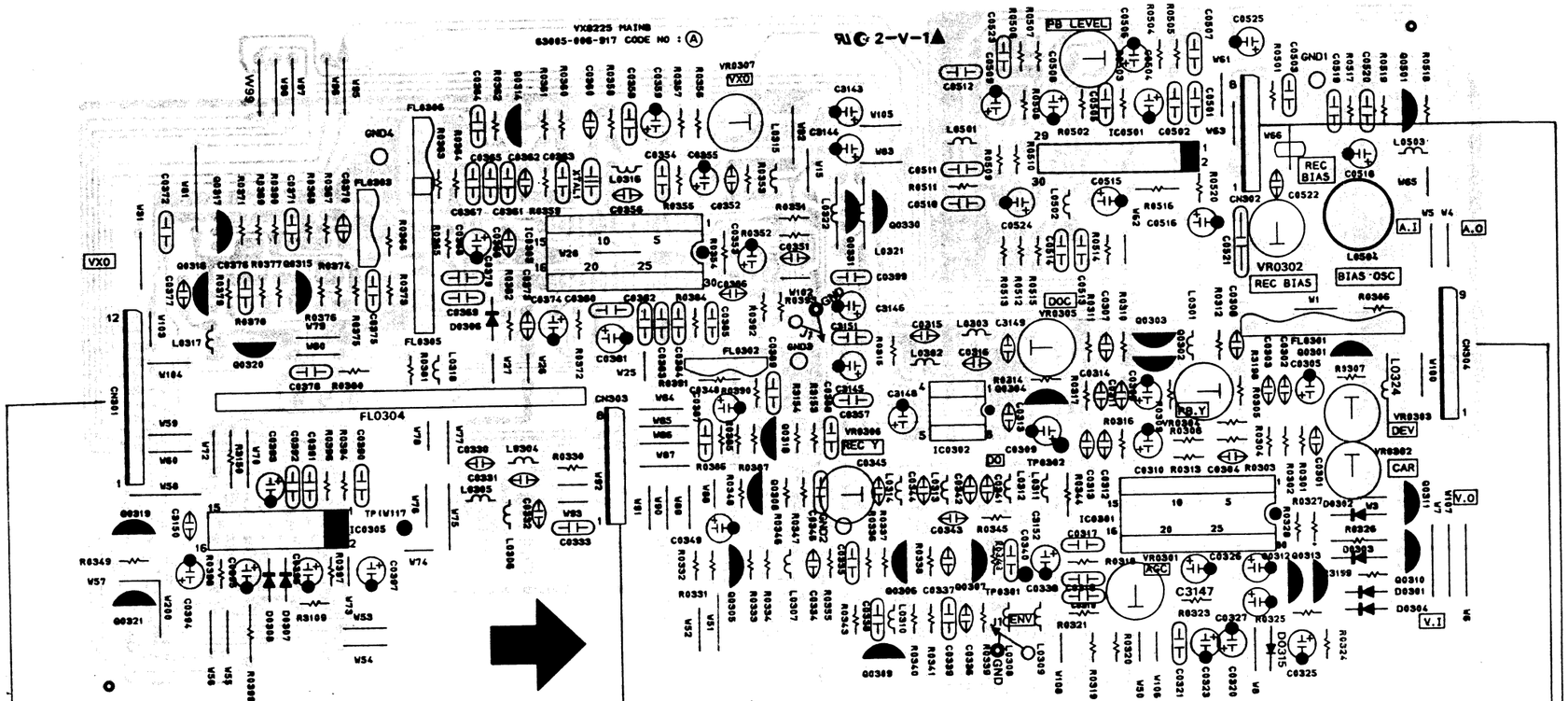
9-13. Main B(8225 Series)



CN603		CN301
1	PC 5V	1
2	PC 9V	2
3	PB 5V	3
4	REC 12V	4
5	C.SYNC	5
6	D.O.C	6
7	SW 25HZ	7
8	A.MUTE	8
9	GND	9
10	LP H	10
11	VXO	11
12	PIC CTL	12

CN3201		CN303
1	REC C	1
2	GND	2
3	REC Y	3
4	GND	4
5	PB FM	5
6	SW 25HZ	6
7	PB 5V	7
8	REC 12V	8

CN302	
1	R/P HEAD(P)
2	GND
3	GND
4	R/P HEAD(R)
5	GND
6	A/E HEAD
7	GND
8	F/E HEAD

CN304		CN401
9	AUDIO OUT	1
8	GND	2
7	AUDIO IN	3
6	GND	4
5	VIDEO OUT	5
4	GND	6
3	VIDEO IN	7
2	GND	8
1	VP OUT	9

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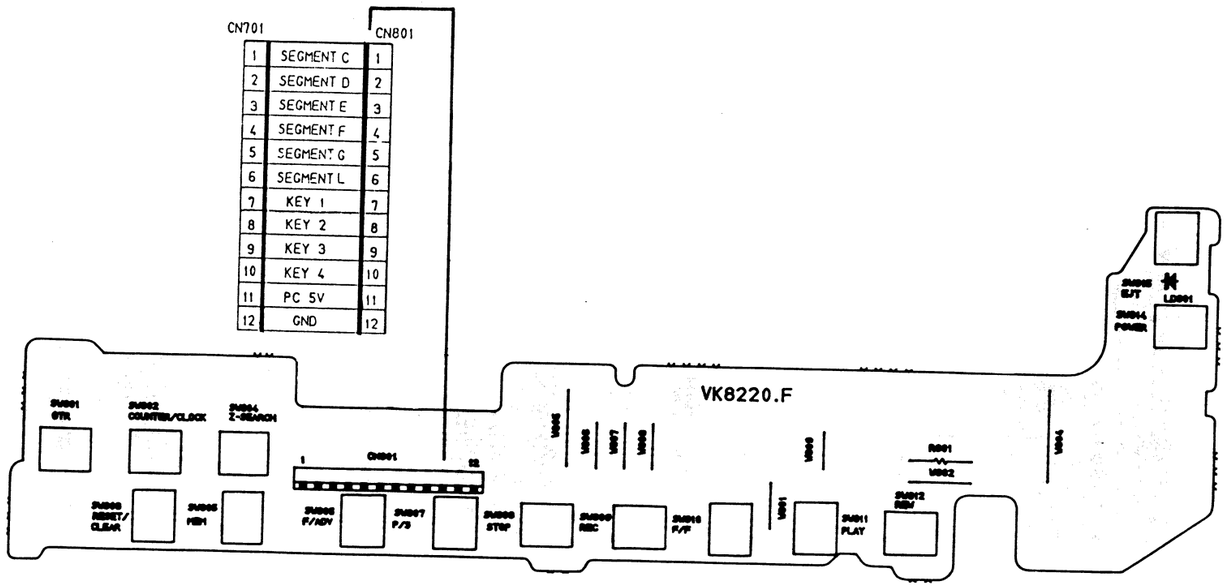
9-14. Function (8220 Series)



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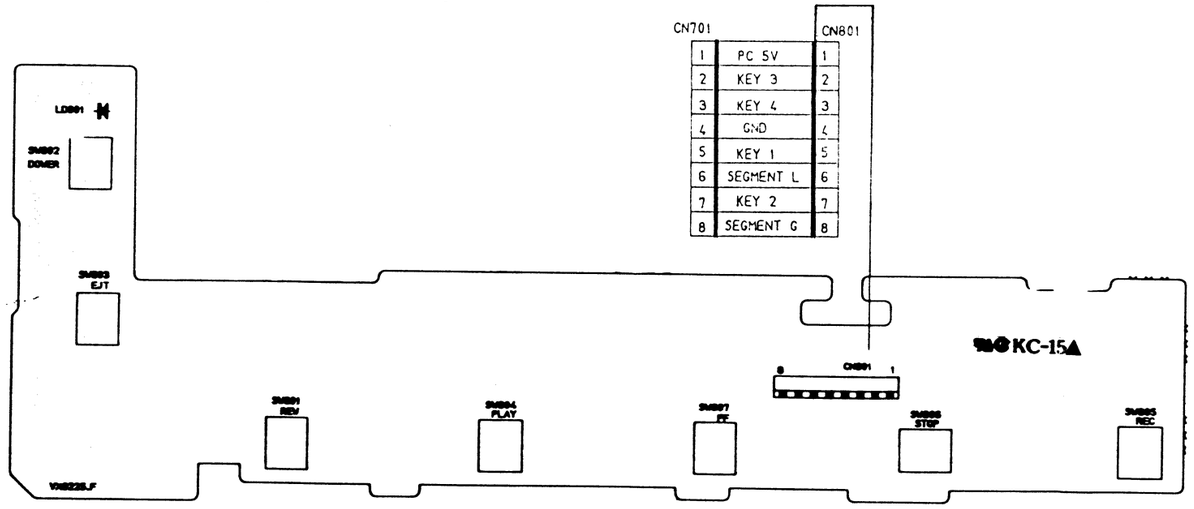
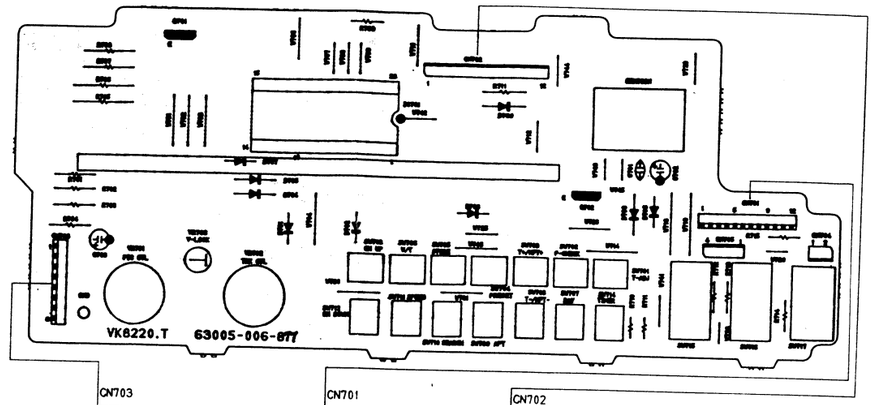
9-15 Function (8225 Series)



9-16 Timer (8220 Series)



CN703

1	5.1V
2	5.1V
3	PC+30V
4	GND
5	TRACKING CTL
6	PICTURE CTL
7	V-LOCK
8	PC 5V

CN701

1	SEGMENT C
2	SEGMENT D
3	SEGMENT E
4	SEGMENT F
5	SEGMENT G
6	SEGMENT L
7	KEY 1
8	KEY 2
9	KEY 3
10	KEY 4
11	PC 5V
12	GND

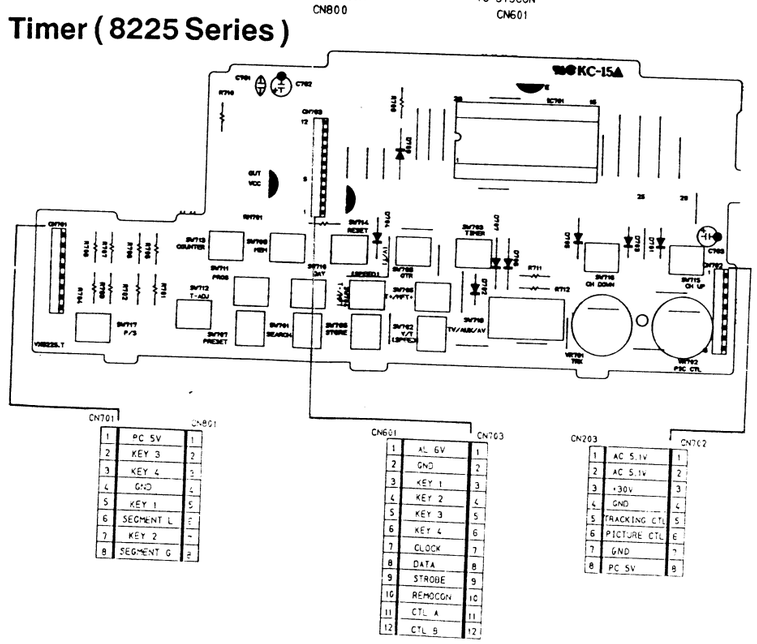
TO FUNCTION

CN702

1	AL 6V
2	GND
3	KEY 1
4	KEY 2
5	KEY 3
6	KEY 4
7	CLOCK(F)
8	DATA(F)
9	STROBE(F)
10	REMOCON
11	CTL A
12	CTL B

TO SYSCON

9-17 Timer (8225 Series)



CN701 / CN801

1	PC 5V	1
2	KEY 3	2
3	KEY 4	3
4	GND	4
5	KEY 1	5
6	SEGMENT L	6
7	KEY 2	7
8	SEGMENT G	8

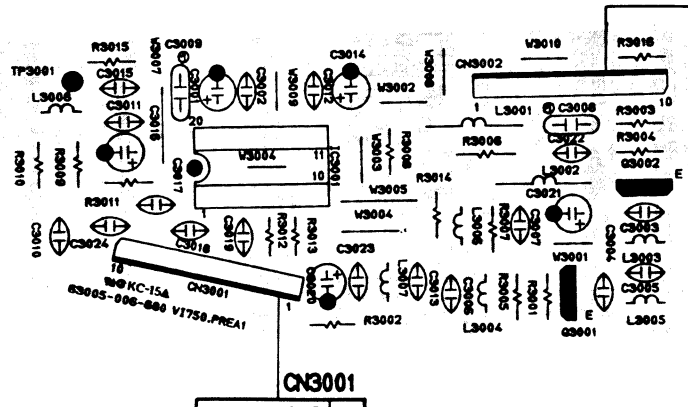
CN601 / CN703

1	AL 6V	1
2	GND	2
3	KEY 1	3
4	KEY 2	4
5	KEY 3	5
6	KEY 4	6
7	CLOCK	7
8	DATA	8
9	STROBE	9
10	REMOCON	10
11	CTL A	11
12	CTL B	12

CN203 / CN702

1	AC 5.1V	1
2	AC 5.1V	2
3	+30V	3
4	GND	4
5	TRACKING CTL	5
6	PICTURE CTL	6
7	GND	7
8	PC 5V	8

9-9. Pre AMP



CN3002

REC C IN	1
GND	2
PB C OUT	3
H'D SW	4
AGC DET	5
PB 5V	6
REC 12V	7
PB Y	8
GND	9
REC Y IN	10

To
MAIN A
CN3101

CN3001

GND	1
GND	2
GND	3
CH2(+)	4
GND	5
CH1,CH2(-)	6
CH1(+)	7
GND	8
GND	9
GND	10

To
DRUM ASSY

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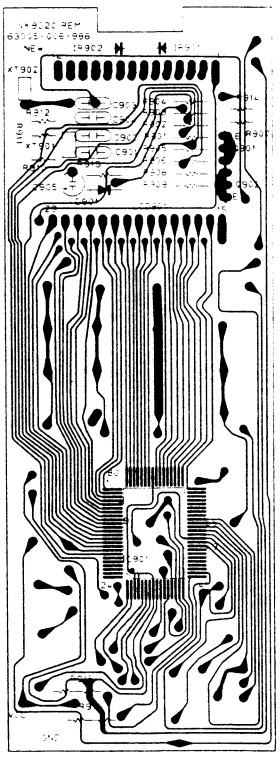
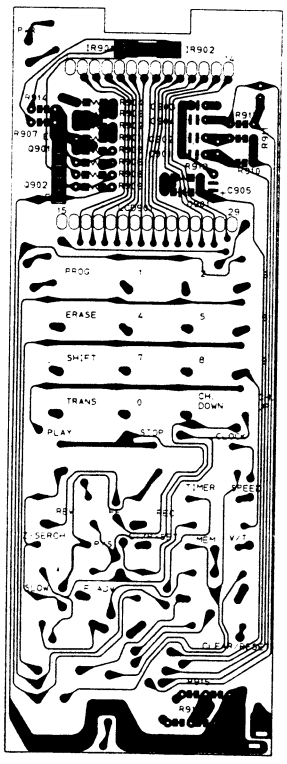
9-10. Remote Control





10. SCHEMATIC DIAGRAMS

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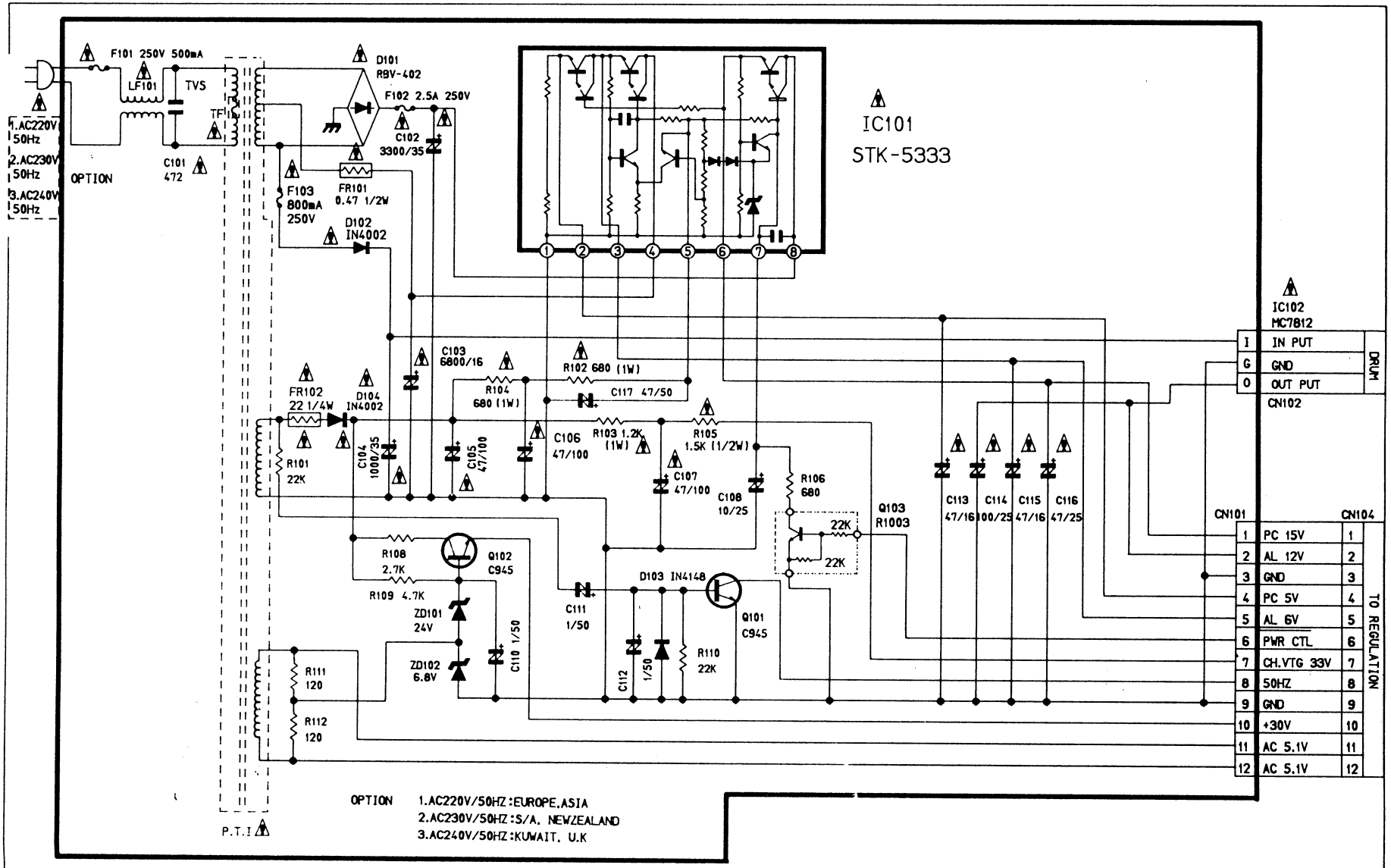

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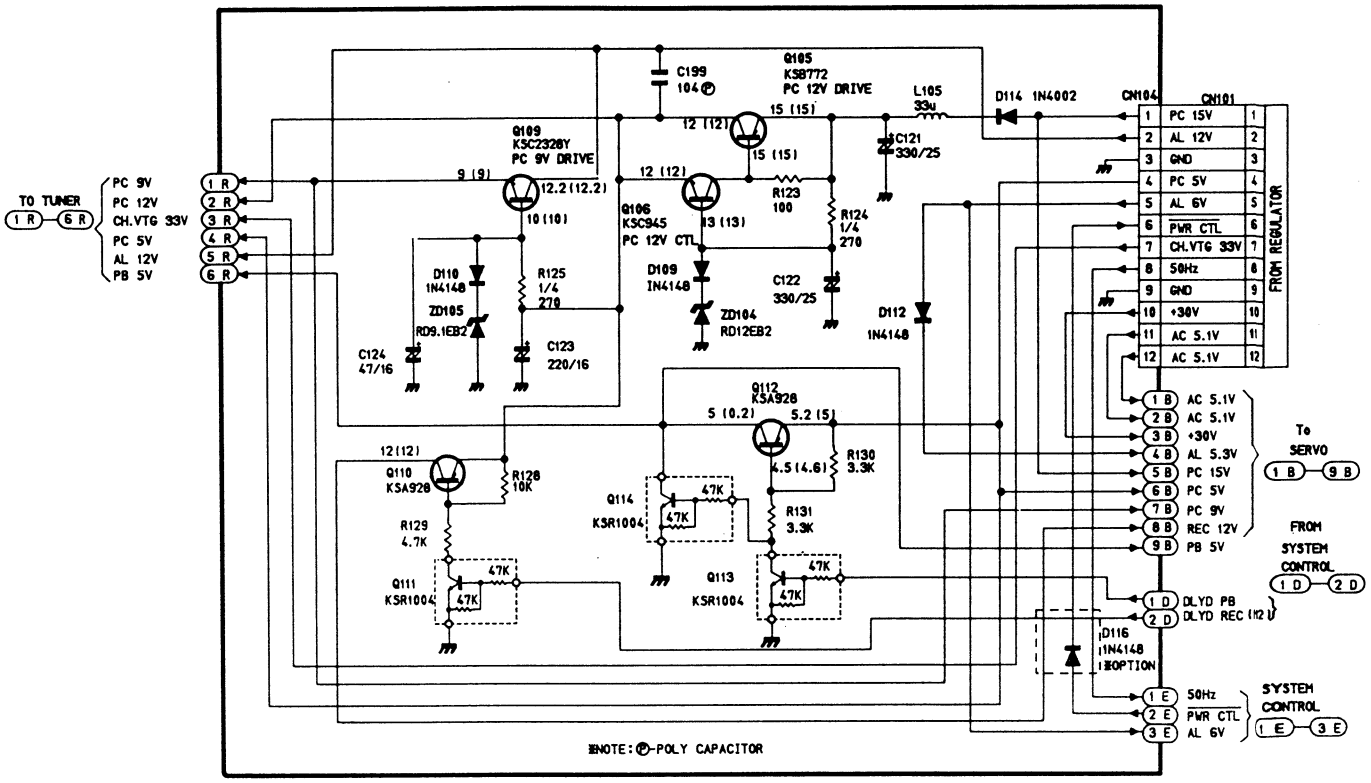
10-2. Power



Regulator and power C.B.A.									
MODE / LOCA.NO	STOP			PLAY			REC		
	E	B	C	E	B	C	E	B	C
Q105	15	14	13	15	14	13	15	14	13
Q106	12	14	13	12	14	13	12	14	13
Q107	9	9	12	9	9	12	9	9	12
Q109	8	9	12	8	9	12	8	9	12
Q110	12	12	12	12	12	12	12	12	12
Q111	0	0	0	0	0	12	0	5	0
Q112	0	0	5	0	5	0	0	0	5
Q113	0	5	0	0	0	5	0	5	0
Q114	0	0	5	0	0	5	0	5	0

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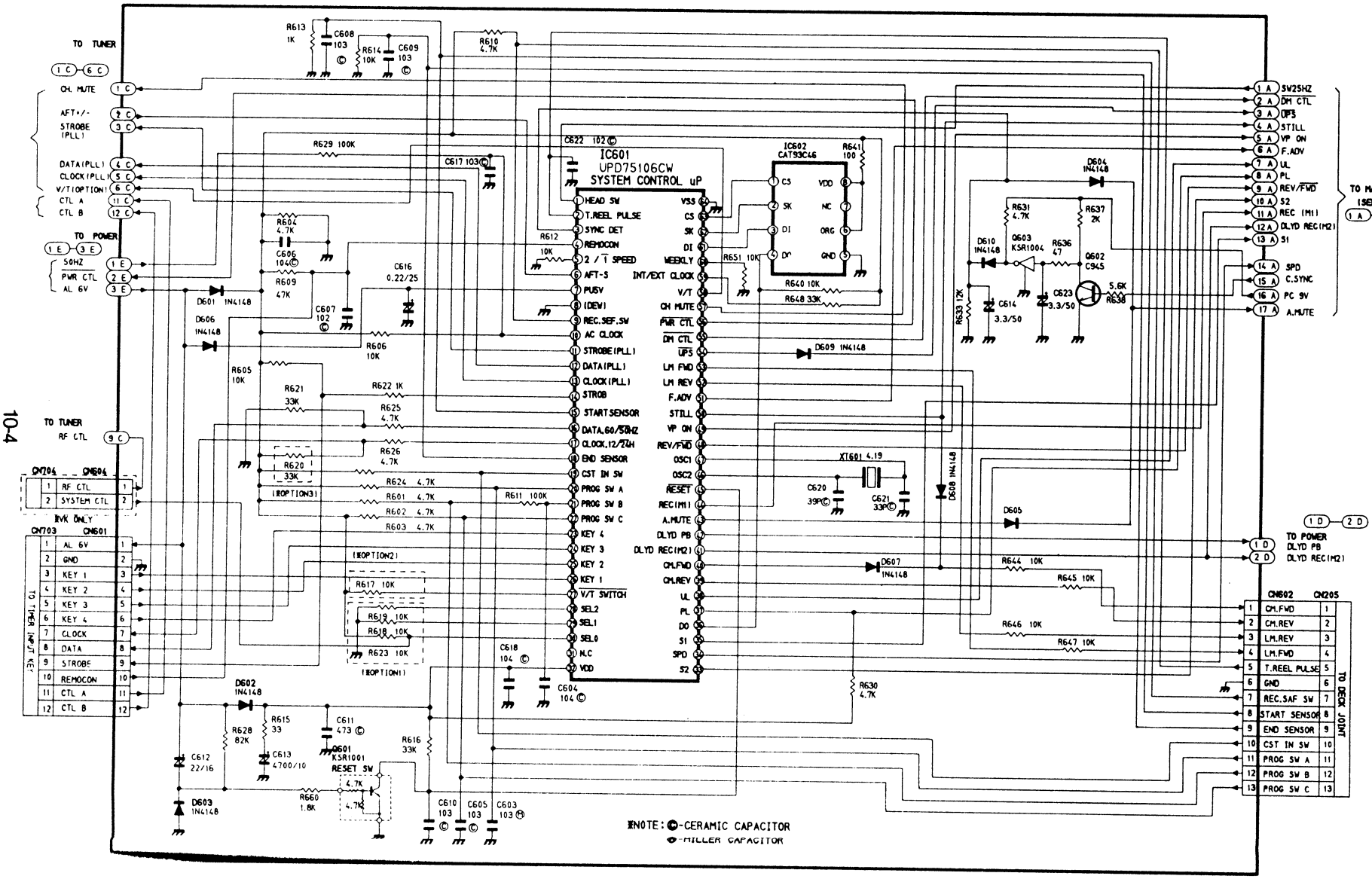

10-4

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IC 601 [MAIN-A C.B.A. (SYSTEM CONTROL)]									
MODE / PIN NO	STOP	PLAY	REC	REW	FWD	RPS	J RPS	JFPS	STILL
1	5	-	-	5	5	-	-	-	-
2	0	-	-	-	-	-	-	-	5
3	5.8	0	0	0	5.8	0	0	0	0
4	5	5	5	5	5	5	5	5	5
5	0	0	0	0	0	0	0	0	0
6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
7	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
8	0	0	0	0	0	0	0	0	0
9	0	0	5	0	0	0	0	0	0
10	-	-	-	-	-	-	-	-	-
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	-	-	-	-	-	-	-	-	-
15	0	0	0	0	0	0	0	0	0
16	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-
18	0	0	0	0	0	0	0	0	0
19	5	5	5	5	5	5	5	5	5
20	0	5	5	5	5	0	5	5	5
21	4.5	0	0	0	0	4.8	0	0	0
22	0	5	5	0	0	5	5	5	5
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	5	5	5	5	5	5	5	5	5
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	5	5	5	5	5	5	5	5	5
31	0-	0	0	0	0	0	0	0	0
32	5	5	5	5	5	5	5	5	5
33	0	0	0	5	5	5	0	0	0
34	5	4.6	5	5	5	4.6	4.6	4.6	4.6
35	0	0	0	0	0	0	5	5	0
36	5	5	5	5	5	5	5	5	5
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	5	0	5	5	0	0
40	0	5	5	0	5	0	0	5	0
41	0	0	5	0	0	0	0	0	0
42	0	5	0	0	0	5	5	5	5
43	0	0	0	0	0	5	5	5	5
44	0	0	5	0	0	0	0	0	0
45	5	5	5	5	5	5	5	5	5
46	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-
48	0	0	0	5	0	5	5	0	0
49	0	0	0	5	5	5	5	5	5
50	0	0	0	0	0	0	0	0	5
51	0	0	0	0	0	0	0	0	5
52	0	5	5	5	5	5	5	5	5
53	0	5	5	5	5	5	5	5	5
54	0	5	5	5	5	5	5	5	0
55	5	0	0	5	5	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	5	5	5	5	5	5	5	5
59	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0

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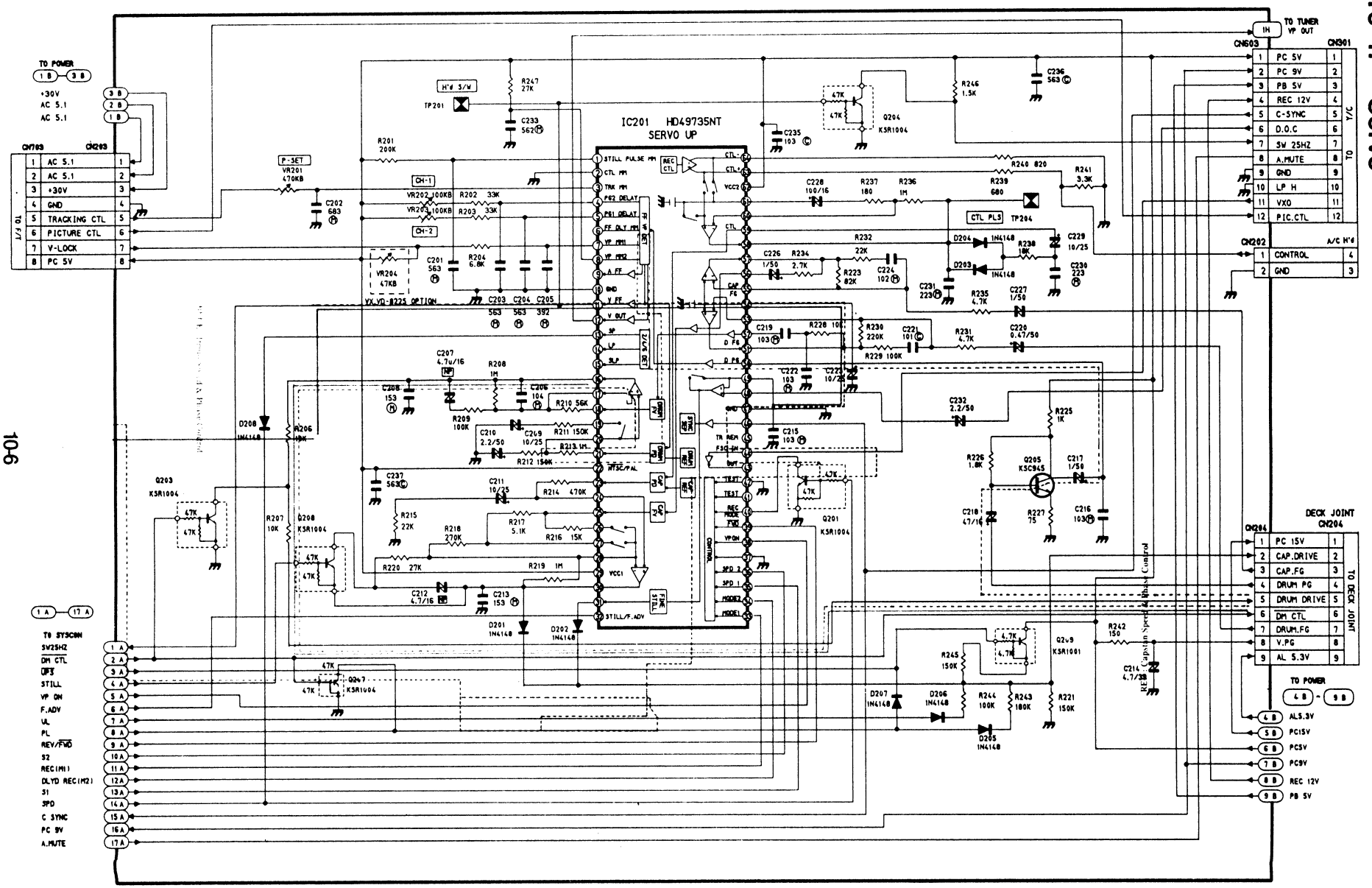
MAIN - A (SYSTEM CONTROL) C.B.A.										
MODE / LOCA.NO	STOP E B C	PLAY E B C	REC E B C	REW E B C	F.F E B C	RPS E B C	FPS E B C	J.RPS E B C	J.FPS E B C	STILL E B C
Q601	0 0 5	0 0 5	0 0 5	0 0 5	0 0 5	0 0 5	0 0 5	0 0 5	0 0 5	0 0
Q602	0 1 0	0 1 0	0 1 0	0 1 0	0 1 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0
Q603	0 0 2	0 1 2	0 0 1	0 0 2	0 0 2	0 1 2	0 1 2	0 1 2	0 1 2	0 1



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TO TUNER

IC 201 [MAIN-A C.B.A. (SERVO)]

MODE / PIN NO	STOP	PLAY	REC	REW	FWD	RPS	J RPS	JFPS	STILL
1	0	0	0	0	0	0	0	0	-
2	0	0	0	0	0	0	0	0	0
3	-	-	-	-	-	-	-	-	-
4	0	-	-	0	0	-	-	-	-
5	0	-	-	0	0	-	-	-	-
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	-
8	0	0	0	0	0	0	0	0	0
9	0	0	0	5	5	5	5	5	5
10	0	0	0	0	0	0	0	0	0
11	0	-	-	0	0	-	-	-	-
12	0	0	0	0	0	-	-	-	-
13	5	5	5	5	5	5	5	5	5
14	0	0	0	0	0	0	0	-	0
15	0	0	0	0	0	0	0	-	0
16	3.4	1.6	1.6	3.5	3.5	2.5	2.5	2.5	2.5
17	0	2.5	3.4	0	0	2	3.5	3.5	2.5
18	0	2.5	3.5	0	0	2	3.5	3.5	2.5
19	0	2.5	3.5	2.5	2.5	2.5	2.5	2.5	2.5
20	2.5	2.5	3.5	2.5	2.5	2	3.5	3.5	2.5
21	0	2.5	3.5	2.5	2.5	2	3.5	3.5	3.2
22	5	5	5	5	5	5	5	5	5
23	0	2.6	2.6	5	5	2.5	2.5	2.5	0
24	2.5	2.5	2.5	0	2.5	2.5	2.5	2.5	2.5
25	0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.5
26	0	2.6	2.5	2.5	2.5	2.5	2.5	2.5	3.2
27	0	0	0	2.5	0	2.5	2.5	2.5	4.5
28	0	0	2.5	2.5	0	2.5	2.5	2.5	3.2
29	5	5	5	5	5	5	5	5	5
30	0.6	3.2	3.2	3.2	3.2	3.2	3.5	3.5	1
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	5	0	0	0	0	0	0
34	0	0	5	0	0	0	0	0	0
35	0	0	0	5	0	5	5	5	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	5	5	5	5	5	5
39	0	0	0	5	0	5	0	0	0
40	0	0	0	0	0	0	0	0	2.5
41	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
42	0	0	0	0	0	0	0	0	0
43	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-
45	0	0	0	0	0	0	0	0	0
46	3.8	-	-	-	-	-	-	-	-
47	0	0	0	0	0	0	0	0	0
48	3.2	3	3.2	3.2	3.2	3.2	3	3.2	3.2
49	0	0	0	0	0	0	-	-	-
50	2.2	-	-	2.4	2.5	-	-	-	-
51	2.5	-	-	2.5	2.5	-	-	-	-
52	2.2	-	-	2.5	2.5	-	-	-	-
53	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
54	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
55	2.5	-	-	-	-	-	-	2.5	2.5
56	2.4	-	-	-	-	-	-	-	2.5
57	2.5	-	-	-	-	-	-	-	2.5
58	2.5	-	2.5	2.5	2.5	-	-	-	0
59	2.4	0	2.4	2.5	2.5	-	-	-	2.5
60	2.5	0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
61	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
62	5	5	5	5	5	5	5	5	5
63	2.5	2.5		2.5	2.5	2.5	2.5	2.5	2.5
64	2.5	2.5		2.5	2.5	2.5	2.5	2.5	2.5

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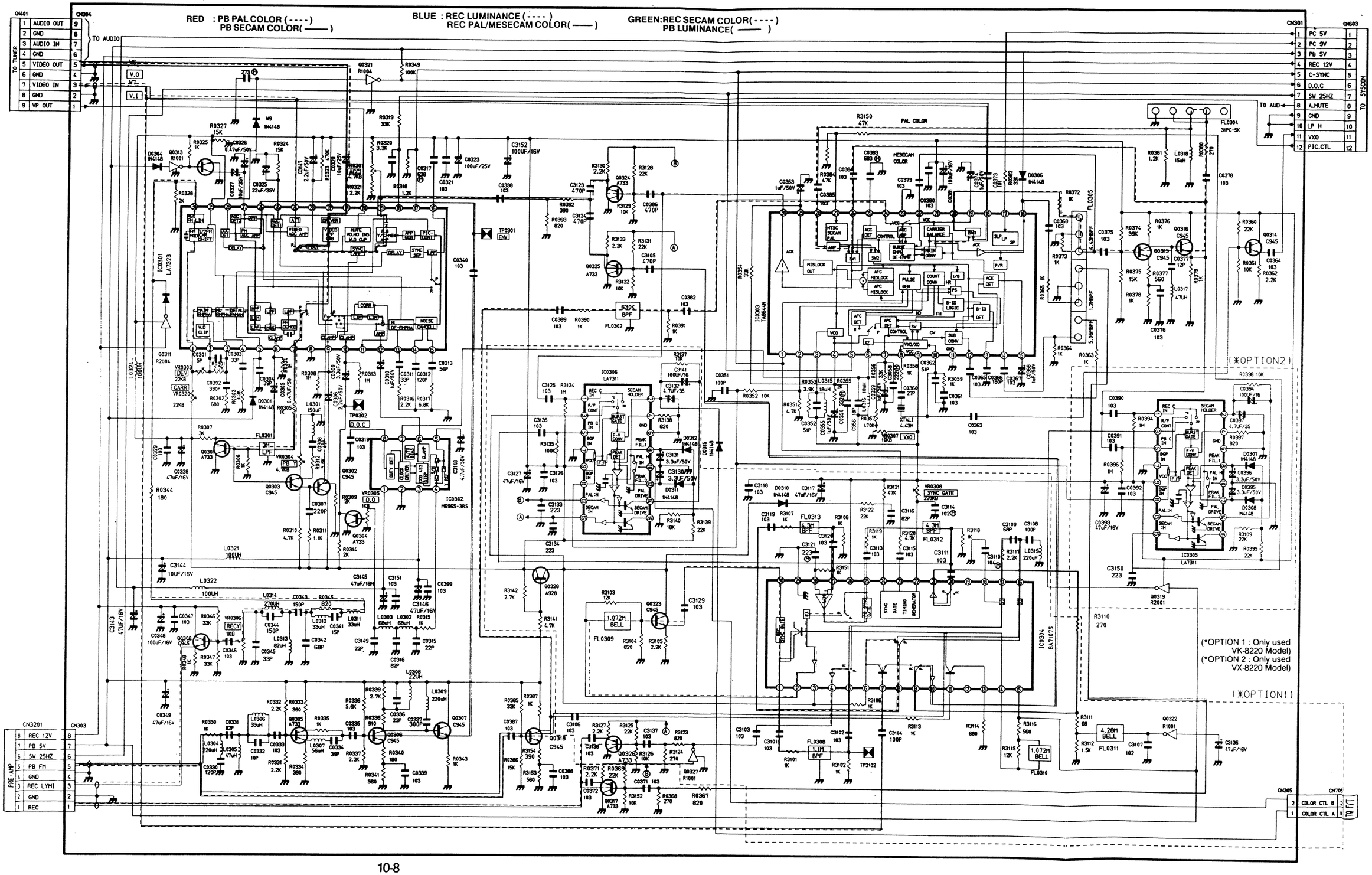
PRE-AMP

GND
REC LYM
2ND

MAIN - A (SERVO) C.B.A.

MODE / LOCA.NO	STOP			PLAY			REC			REW			F.F			RPS			FPS			J.RPS			J.FPS			STILL		
	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C
Q201	0	5	0	0	5	0	0	5	0	0	5	0	0	5	0	0	5	0	0	5	0	0	5	0	0	5	0	0	5	0
Q202	0	5	0	0	5	0	0	5	0	0	5	0	0	5	0	0	5	0	0	5	0	0	5	0	0	5	0	0	5	0
Q203	0	5	0	0	0	1	0	0	1	0	5	0	0	5	0	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1
Q204	0	0	5	0	-	-	0	-	-	0	0	5	0	0	5	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-
Q205	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1
Q207	0	5	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Q208	0	0	0	3	0	2	3	0	2	3	0	2	3	0	2	3	0	2	3	0	2	3	0	2	4	0	2	0	5	1
Q209	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0	5

10-5. Lumiance/Chrominance



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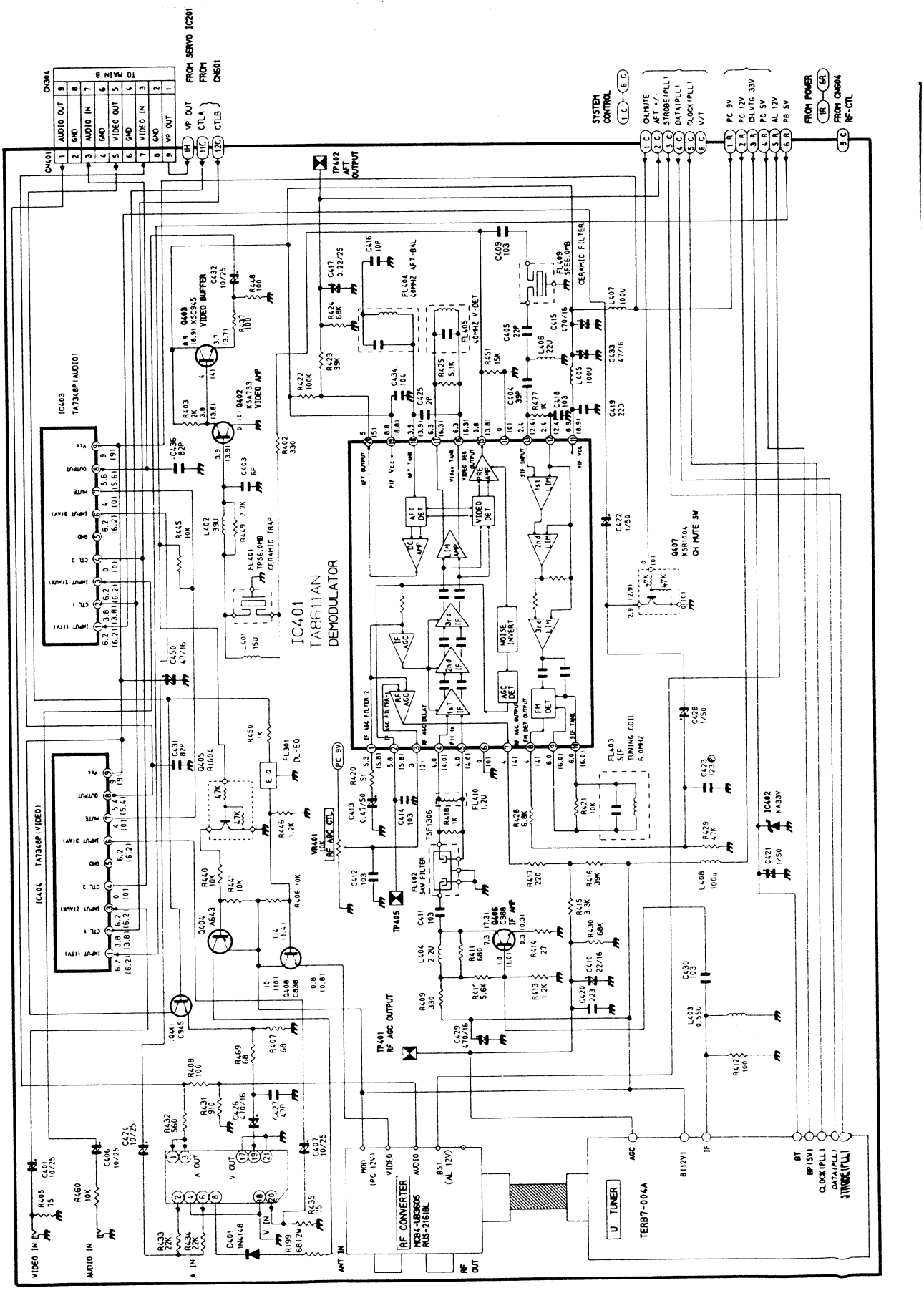
10-9. Tuner



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REV S. : REVERSE SEARCH
FWD S.: FORWARD SEARCH

IC 0301 [MAIN-B C.B.A. (VIDEO)]

MODE / PIN NO	STOP	REC	PLAY	REW	F.FED	REV.S	FWDS
1	2.4	2.4	3.6	2.4	2.4	3.6	3.6
2	2.4	2.4	2.6	2.4	2.4	2.6	2.6
3	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	3.0	3.0	2.6	3.0	3.0	2.6	2.6
5	2.8	2.8	4.4	2.8	2.8	4.4	4.4
6	3.4	3.4	1.0	3.4	3.4	1.0	1.0
7	2.4	2.4	2.0	2.4	2.4	2.0	2.0
8	0	0	0	0	0	0	0
9	1.2	1.2	3.4	1.2	1.2	3.4	3.4
10	3.4	3.4	3.4	3.4	3.4	3.4	3.4
11							
12	3.0	3.0	3.0	3.0	3.0	3.0	3.0
13	4.4	4.4	3.0	4.4	4.4	3.0	3.0
14	4.4	4.4	3.0	4.4	4.4	3.0	3.0
15	4.4	4.4	4.0	4.4	4.4	4.0	4.0
16	3.6	3.6	3.4	3.6	3.6	3.4	3.4
17	-	-	-	-	-	-	-
18	2.4	2.4	2.4	2.4	2.4	2.4	2.4
19	4.0	4.0	4.0	4.0	4.0	4.0	4.0
20	0	0	0	0	0	0	0
21	2.5	2.5	2.4	2.5	2.5	2.4	2.4
22	5.0	5.0	5.0	5.0	5.0	5.0	5.0
23	3.6	3.6	3.2	3.6	3.6	3.2	3.2
24	3.0	3.0	3.2	3.0	3.0	3.2	3.2
25	2.8	2.8	3.6	2.8	2.8	3.6	3.6
26	3.4	3.4	3.6	3.4	3.4	3.6	3.6
27	1.4	1.4	1.2	1.4	1.4	1.2	1.2
28	0	0	0	0	0	0	0
29	5.0	5.0	5.0	5.0	5.0	5.0	5.0
30	4.3	4.3	4.3	4.3	4.3	4.3	4.3

REV S. : REVERSE SEARCH
FWD S.: FORWARD SEARCH

MODE / PIN NO.	IC 0303 STOP	REC	PLAY	REW	F.FWD	REV S.	FWD S.
PIN 1	0.8	4	0.4	0.9	0.8	0.9	4.0
PIN 2	3.7	3.8	3.8	3.7	3.7	3.8	3.8
PIN 3	5.0	5	5.0	5.0	5.0	5.0	5.0
PIN 4	1.7	1.8	1.7	1.7	1.7	2.3	1.8
PIN 5	4.3	4.3	4.3	4.3	4.3	4.3	4.3
PIN 6	5.0	5.0	5.0	5.0	5.0	5.0	5.0
PIN 7	2.2	2.0	2.0	2.2	2.2	2.0	2.0
PIN 8	2.5	2.3	2.3	2.5	2.5	2.3	2.3
PIN 9	5.0	50	5.0	5.0	5.0	5.0	5.0
PIN 10	3.2	3.0	3.0	3.1	3.1	3.0	3.0
PIN 11	0	0	0	0	0	0	0
PIN 12	4.3	4.3	4.4	4.3	4.3	4.3	4.3
PIN 13	3.0	3	3.0	3.0	3.0	3.0	3.0
PIN 14	2.7	3	2.7	2.7	2.7	2.7	3.0
PIN 15	2.4	2.4	2.3	2.3	2.3	2.4	2.4
PIN 16	0	0	4.4	0	0	4.4	0
PIN 17	5.0	5.0	5.0	5.0	5.0	5.0	5.0
PIN 18	2.5	2.5	2.5	2.5	2.5	2.5	2.5
PIN 19	2.9	3.0	3.0	2.9	3.0	3.0	3
PIN 20	2.5	2.5	2.5	2.5	2.5	2.5	2.5
PIN 21	5.0	5	5.0	5.0	5.0	5.0	5.0
PIN 22	2.7	2.8	2.8	2.7	2.7	2.8	2.8
PIN 23	0	0	0.0	0	0	0	0.0
PIN 24	1.7	1.7	2.8	1.7	1.7	2.8	1.7
PIN 25	3.6	2.3	4.5	3.6	3.6	4.0	2.3
PIN 26	2.4	2.4	2.3	2.4	2.4	2.3	2.4
PIN 27	0	0	0.0	0	0	0	0.0
PIN 28	2.7	2.7	2.6	2.7	2.7	2.6	2.7
PIN 29	1.7	2.4	2.3	1.6	1.6	2.3	2.4
PIN 30	2.8	2.8	0	2.8	2.8	0	2.8

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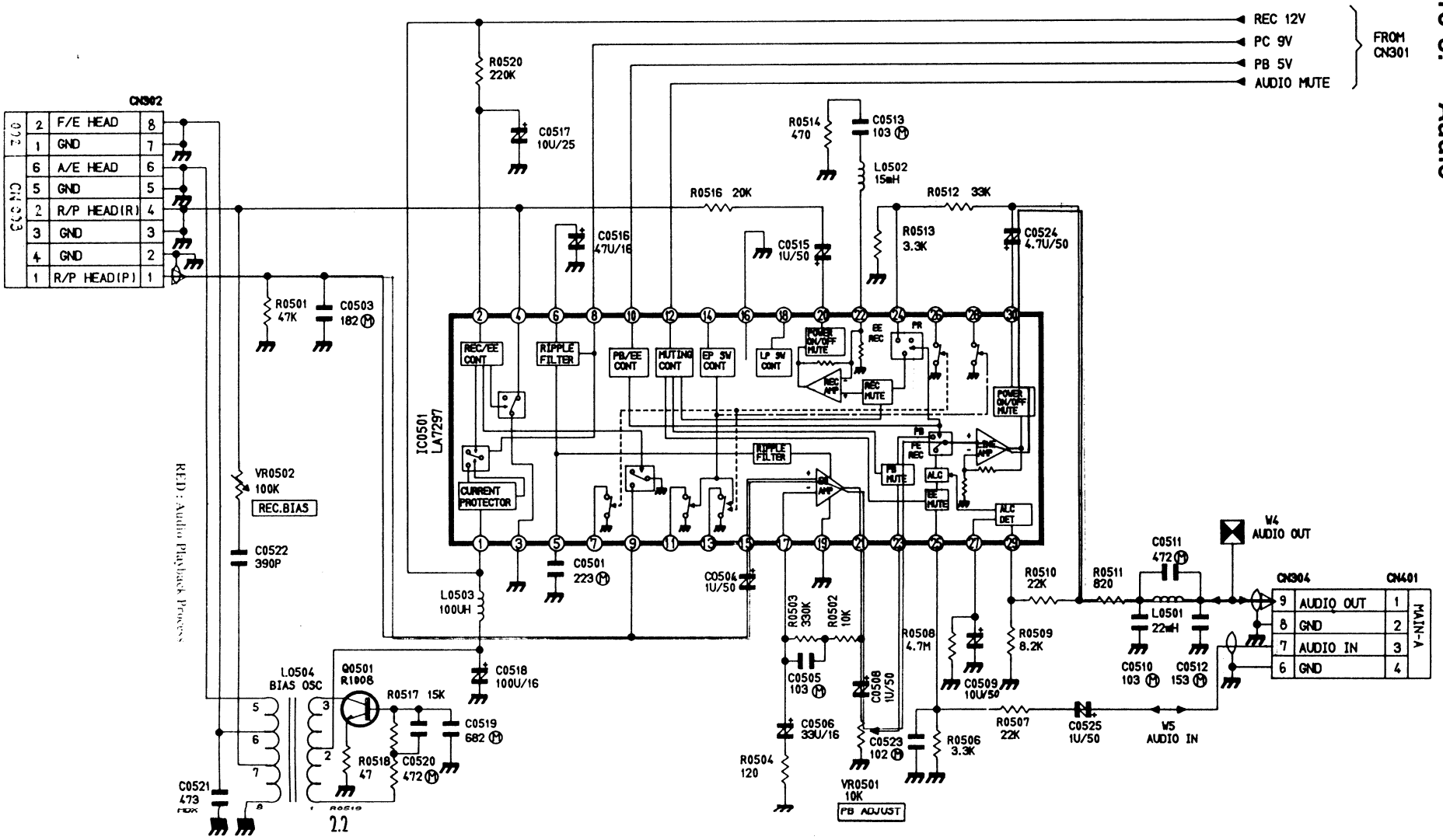
REV S. : REVERSE SEARCH
FWD S.: FORWARD SEARCH

MODE / PIN NO.	IC 0302 STOP	REC	PLAY	REW	F.FWD	REV S.	FWD S.
PIN 1	9	5	9	9	9	9	9
PIN 2	0	0	0	0	0	0	0
PIN 3	0	0	4.9	0	0	4.9	4.9
PIN 4	5.2	0	3.3	5.2	5.2	3.3	3.3
PIN 5	3.0	3.0	3.1	2	3	3.1	3.1
PIN 6	4.4	0	2.4	3.6	3	2.4	2.4
PIN 7	1.6	1.0	1.8	1.6	1.7	1.8	1.8
PIN 8	3.4	2.4	5.1	3.5	3.3	5.1	5.1

IC 0304 [MAIN-B C.B.A. (VIDEO)]

MODE / PIN.NO	STOP	REC	PLAY	REW	F.FED	REV.S	FWDS
1	2.8	2.8	2.0	2.8	28	2.0	2.0
2	3.2	3.2	0	3.2	32	0	0
3	5.0	5.0	0.4	5.0	50	0.4	0.4
4	2.0	2.0	0	2.0	20	0	0
5	1.2	1.2	1.2	1.2	12	1.2	1.2
6	3.8	3.8	0.4	3.8	38	0.4	0.4
7	1.6	1.6	OPEN	1.6	16	OPEN	OPEN
8	2.4	2.4	2.4	2.4	24	2.4	2.4
9	1.8	1.8	1.2	1.8	18	1.2	1.2
10	0	0	2.2	0	0	2.2	2.2
11	0	0	3.0	0	0	3.0	3.0
12	N.C	N.C	N.C	N.C	N.C	N.C	N.C
13	0	0	1.4	0	0	1.4	1.4
14	0	0	2.8	0	0	2.8	2.8
15	0	0	5.0	0	0	5.0	5.0
16	0	0	2.6	0	0	2.6	2.6
17	OPEN	OPEN	3.0	OPEN	OPEN	3.0	3.0
18	0	0	2.0	0	0	2.0	2.0
19	N.C	N.C	N.C	N.C	N.C	N.C	N.C
20	1.0	1.0	1.4	1.0	1.0	1.4	1.4
21	1.8	1.8	1.4	1.8	1.8	1.4	1.4
22	2.0	2.0	2.0	2.0	2.0	2.0	2.0
23	2.0	2.0	2.0	2.0	2.0	2.0	2.0
24	3.4	3.4	2.0	3.4	3.4	2.0	2.0
25	3.2	3.2	3.2	3.2	3.2	3.2	3.2
26	5.0	5.0	5.0	5.0	5.0	5.0	5.0
27	3.0	3.0	3.0	3.0	3.0	3.0	3.0
28	3.0	3.0	3.0	3.0	3.0	3.0	3.0
29	0	0	0	0	0	0	0
30	2.6	2.6	0	2.6	2.6	0	0



RED : Audio Playback Process

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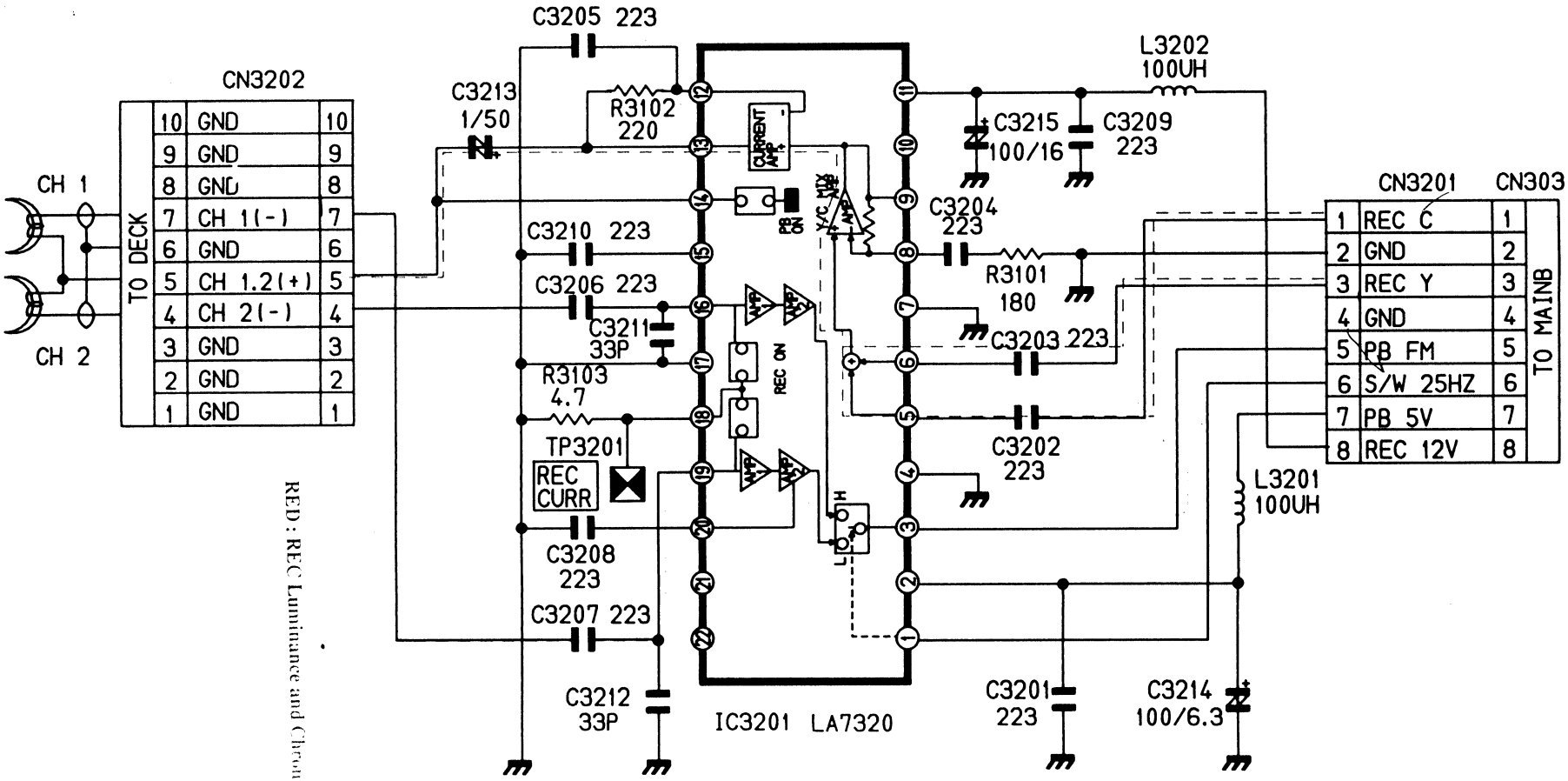

RED : REC Luminance and Chrominance Process

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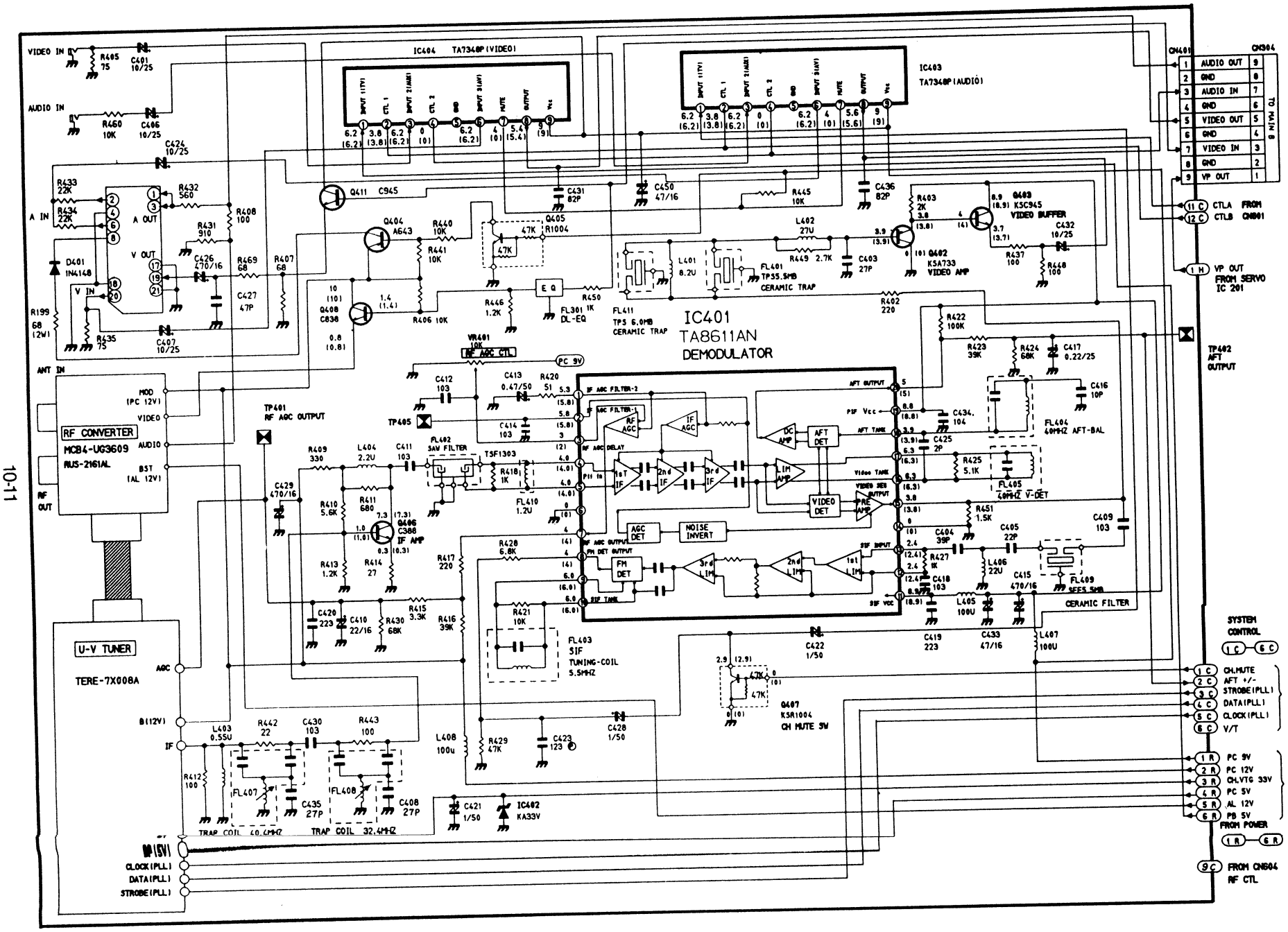

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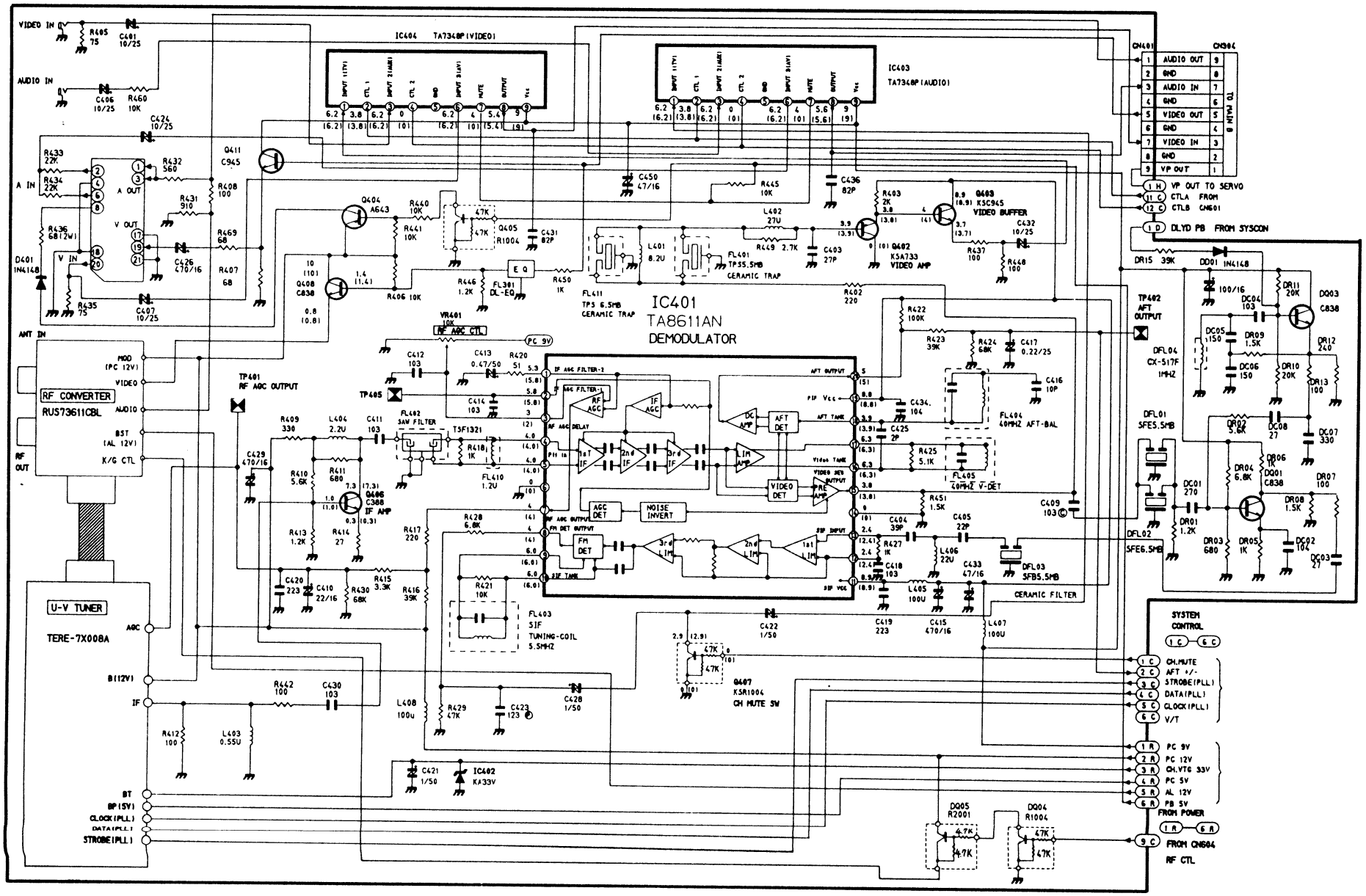

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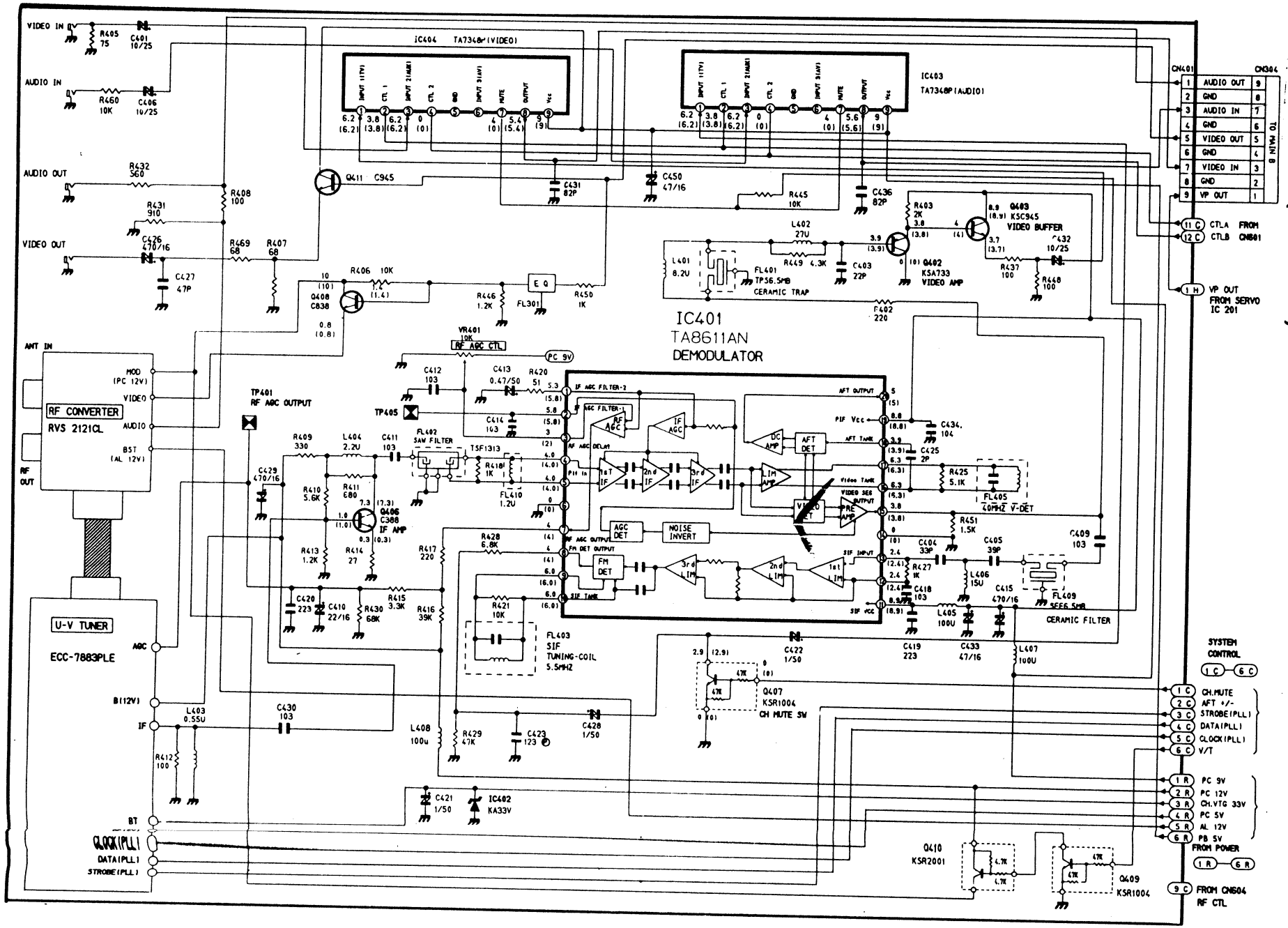
10-11. Tuner (VD-8225)



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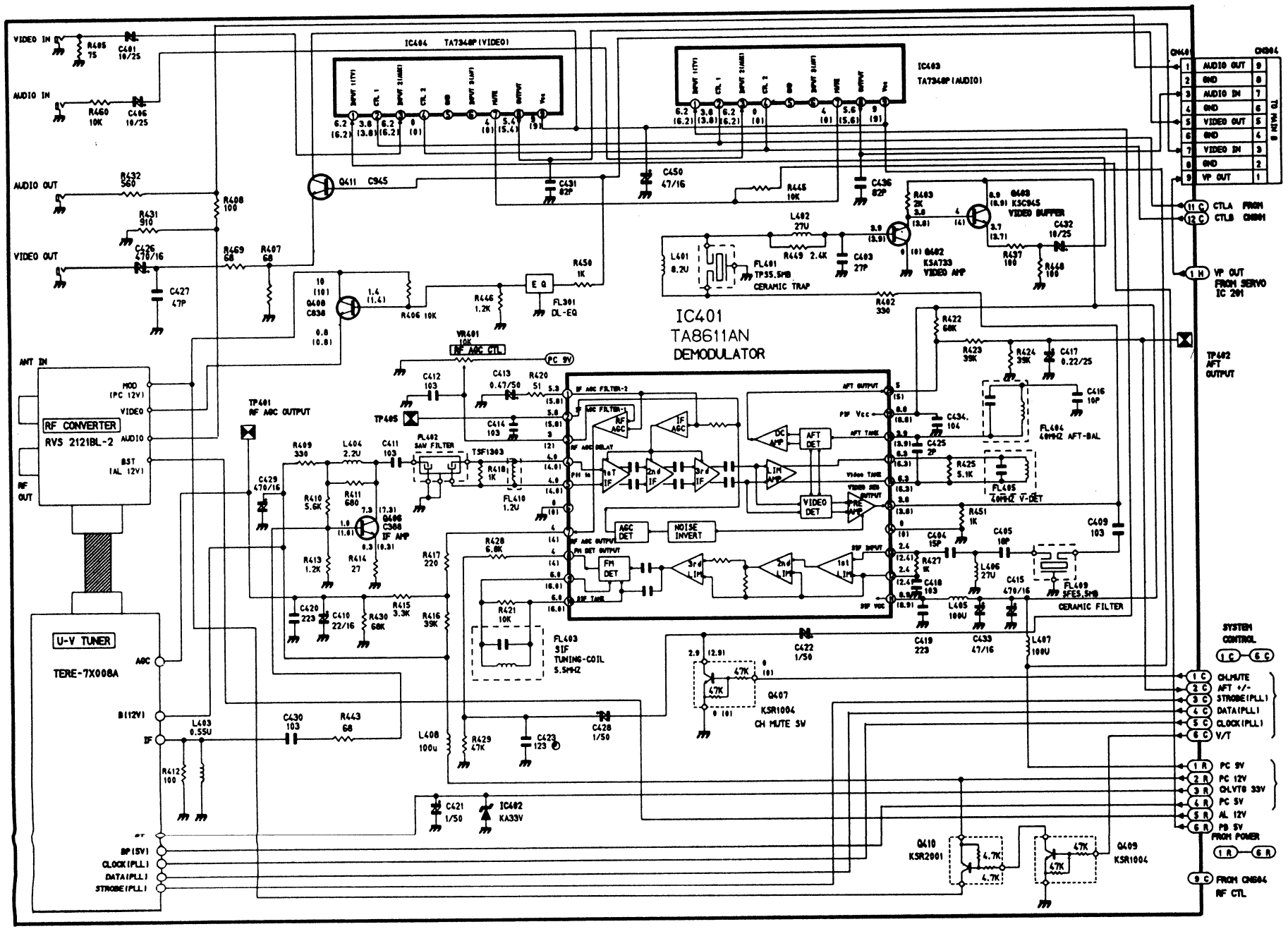

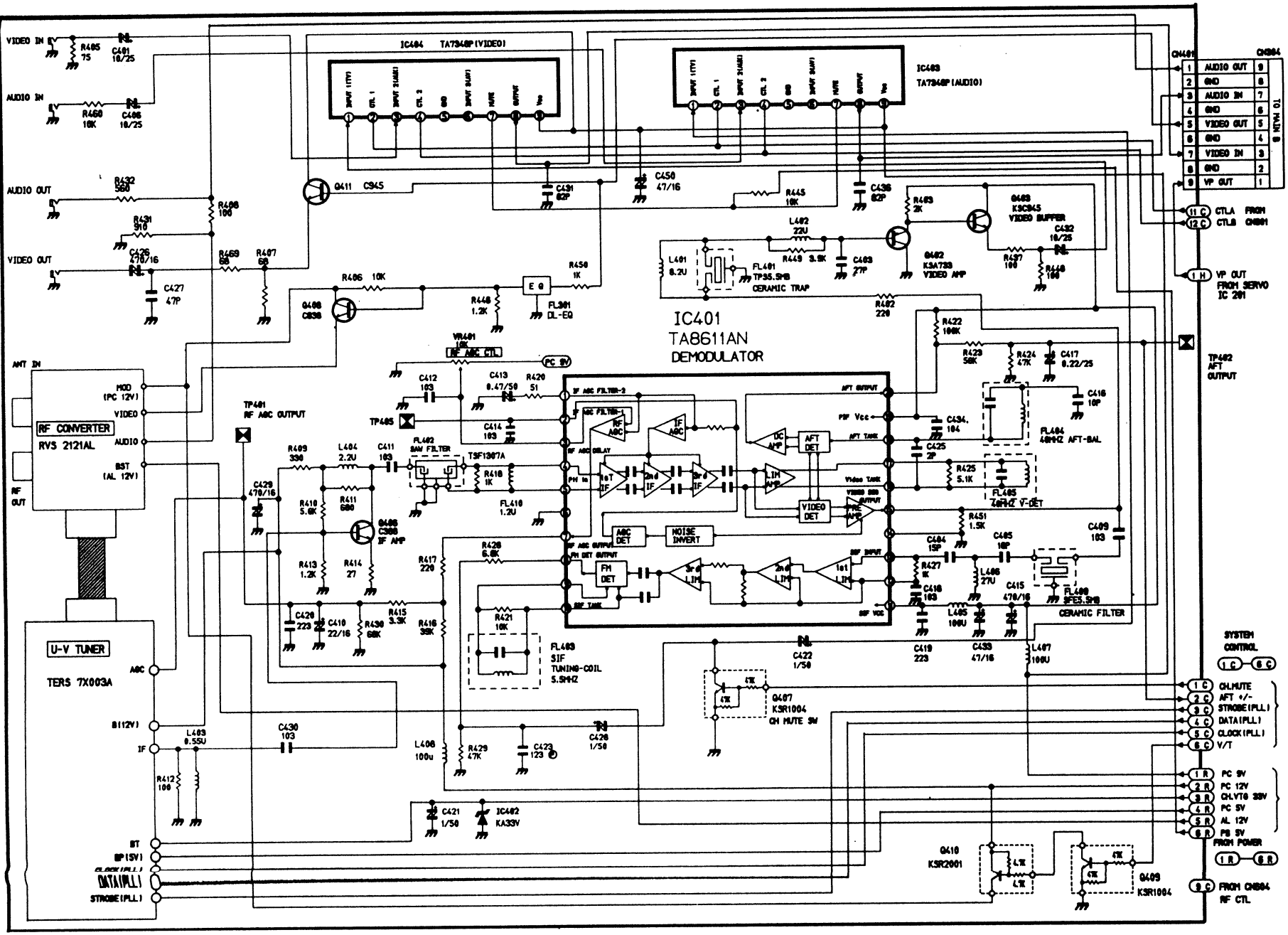

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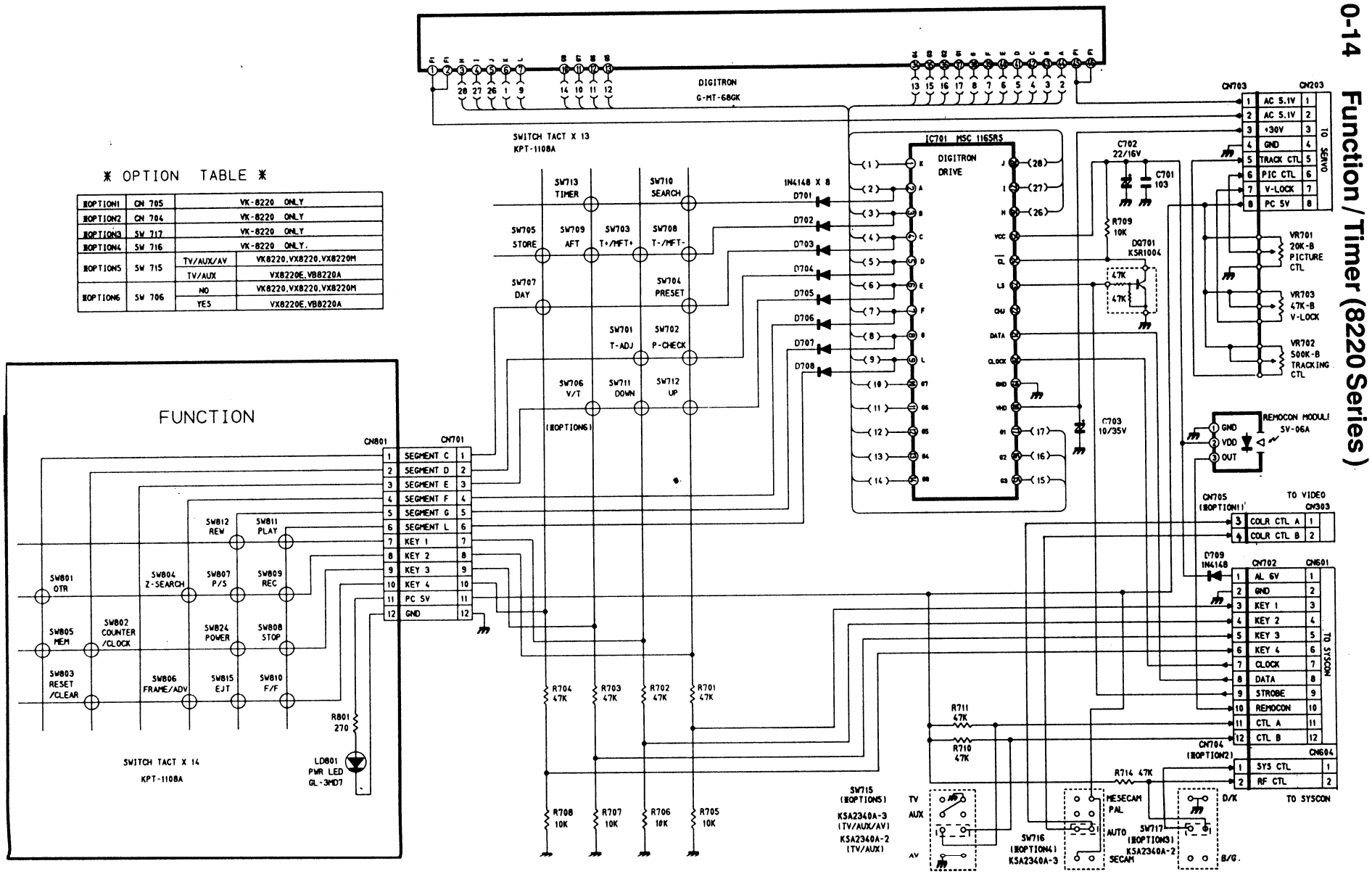

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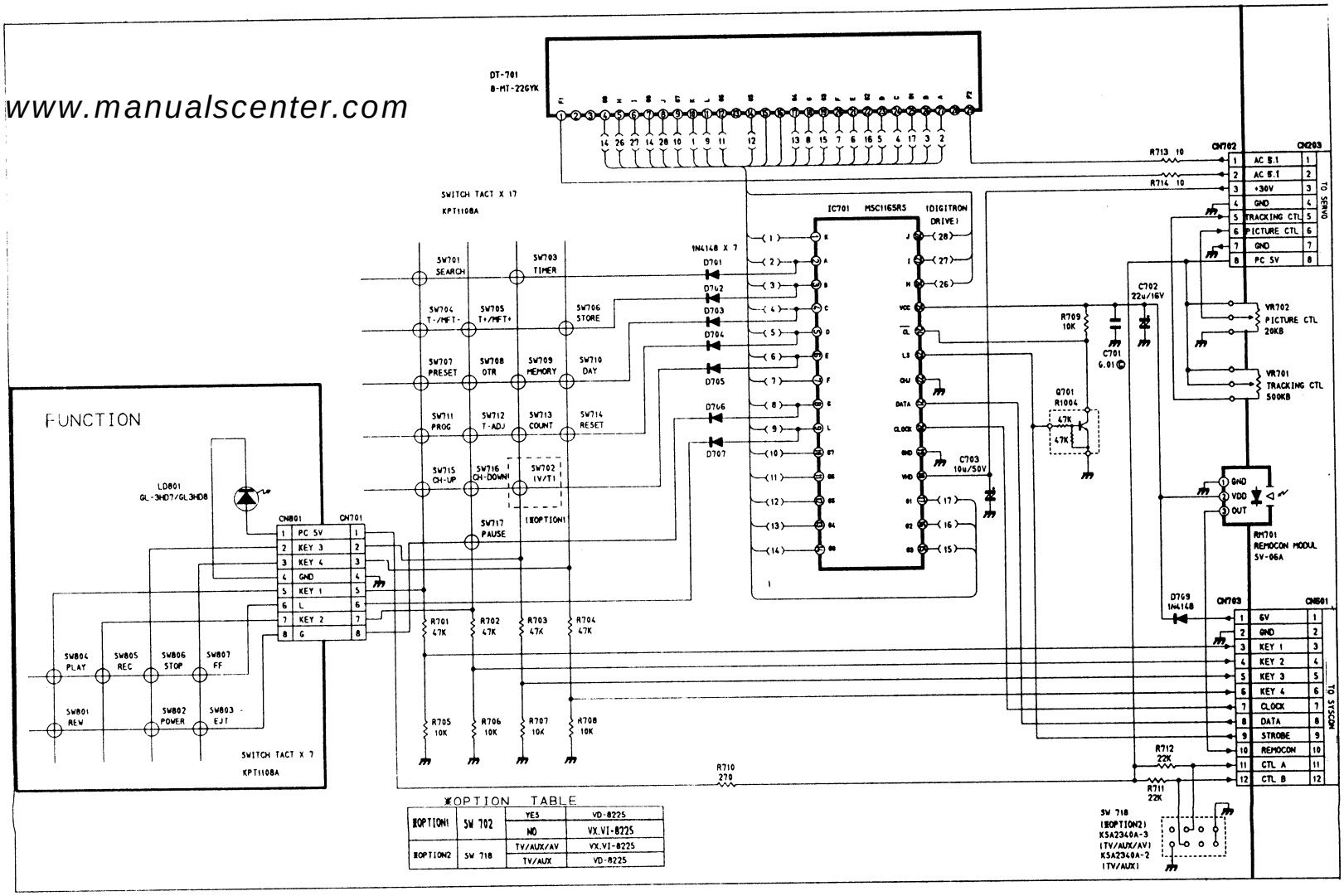
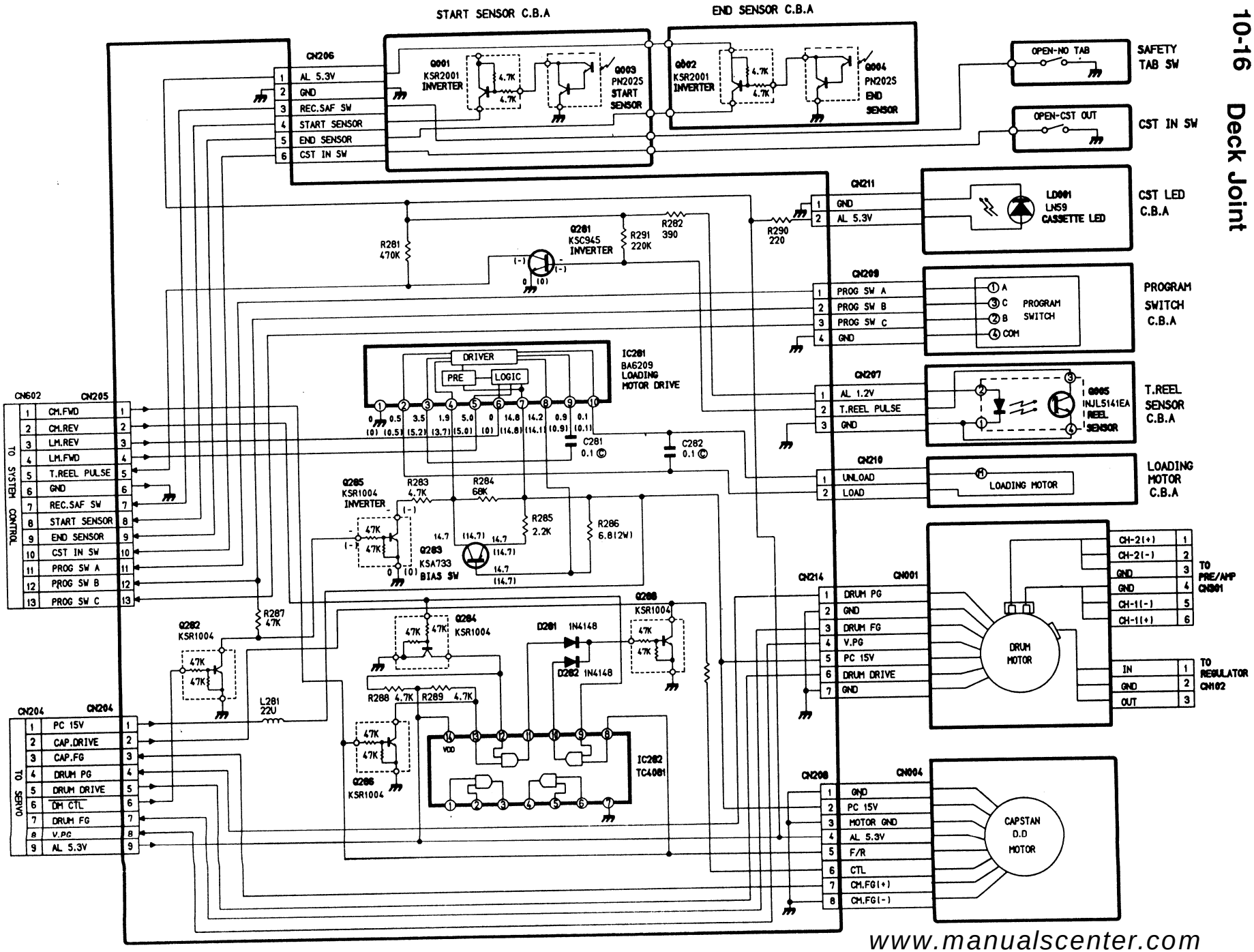
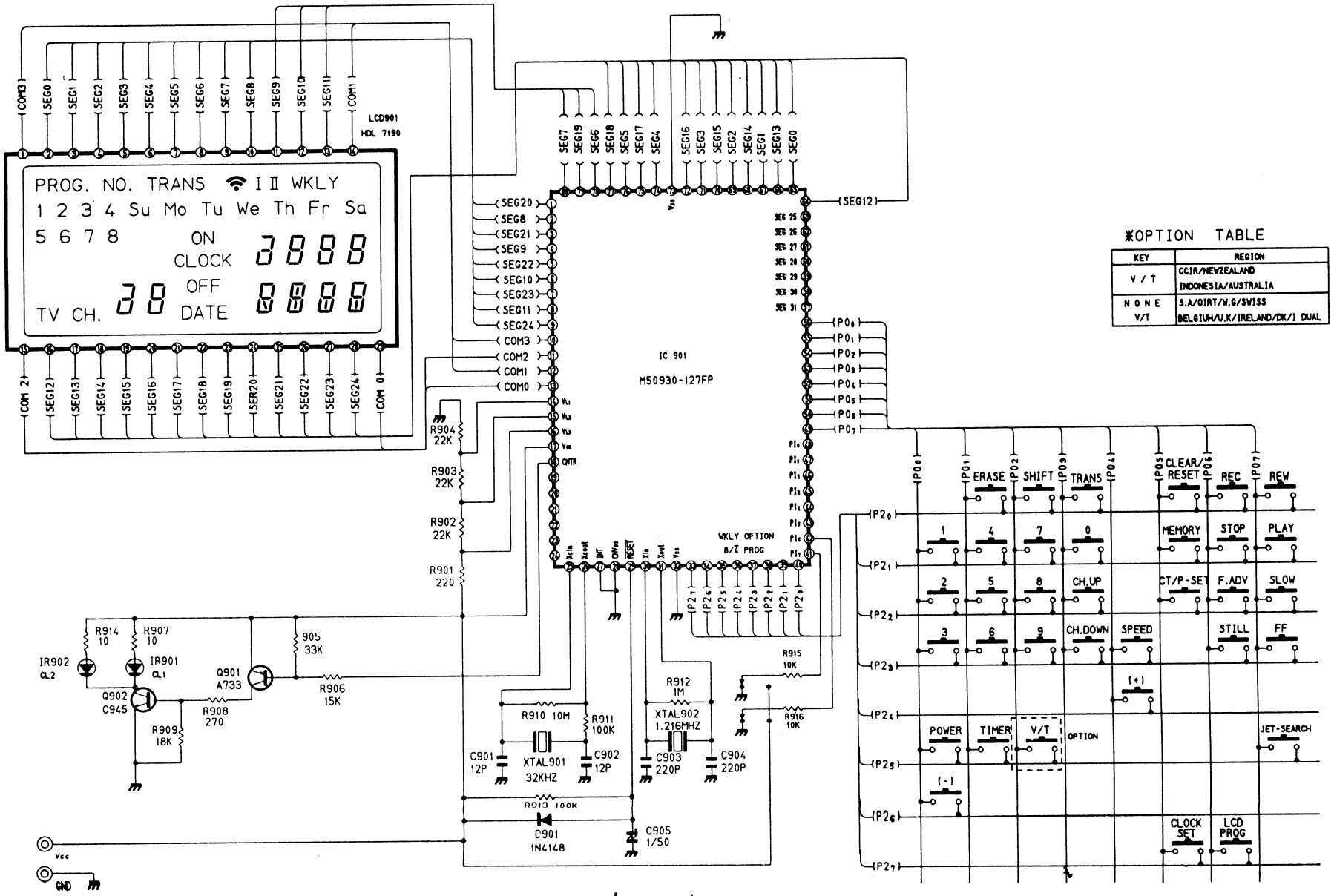


*OPTION TABLE

*OPTION1	SW 702	YES	VD-8225
		NO	VX.VI-8225
*OPTION2	SW 718	TV/AUX/AV	VX.VI-8225
		TV/AUX	VD-8225



www.manualscenter.com



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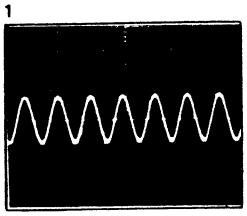
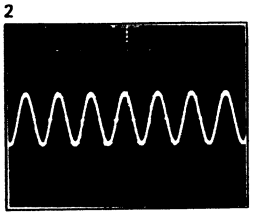
AUDIO

1



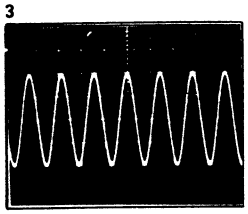
TP501
0.5V/1msec/cm
REC

2



TP502
1V/1msec/cm
REC/PLAY

3



TP503
10V/10μsec/cm
REC

MODE	IC0501						
PIN NO.	STOP	REC	PLAY	REW	F.FWD	REV S.	FWD S.
PIN 1	0	9	OPEN	0	0	OPEN	OPEN
PIN 2	0	3.4	0	0	0	0	0
PIN 3	0	0	0	0	0	0	0
PIN 4	0	0	0	0	0	0	0
PIN 5	8	8	8	8	8	8	8
PIN 6	9	9	9	9	9	9	9
PIN 7	0	0	0	0	0	0	0
PIN 8	9	9	9	9	9	9	9
PIN 9	0	0	0	0	0	0	0
PIN 10	0	0	5	0	0	5	5
PIN 11	0	0	0	0	0	0	0
PIN 12	0	0	0	0	0	4.6	2.4
PIN 13	0	0	0	0	0	0	0
PIN 14	0	0	0	0	0	0	0
PIN 15	2	2.4	2.4	2	2	2.4	1.2
PIN 16	0	0	0	0	0	0	0
PIN 17	2.4	2.4	2.4	2.4	2.4	2.4	2.4
PIN 18	0	0	0	0	0	0	0
PIN 19	0	0	0	0	0	0	0
PIN 20	4	4	4	4	4	4	4
PIN 21	2.4	2.4	2.4	2.4	2.4	2.4	2.4
PIN 22	1.4	1.4	1.4	1.4	1.4	1.4	1.4
PIN 23	0	0	0	0	0	0	0
PIN 24	0	0	0	0	0	0	0
PIN 25	0	0	0	0	0	0	0
PIN 26	0	0	0	0	0	0	0
PIN 27	0.6	0.6	0.4	0.6	0.6	0.4	0.4
PIN 28	0	0	0	0	0	0	0
PIN 29	0	0	0	0	0	0	0
PIN 30	4	4	4	4	4	4	4

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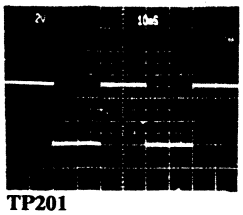
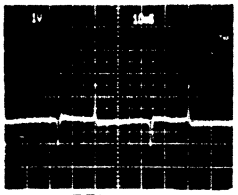
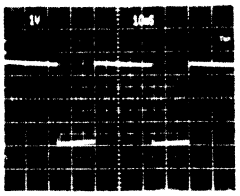


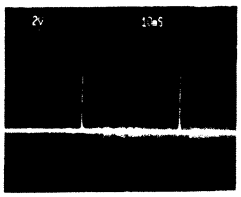
TP201
5Vp-p
H'd S/W PULSE



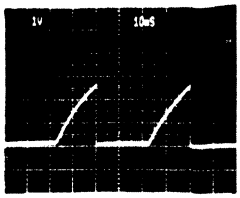
TP202(PB)
2.5Vp-p
CTL PULSE



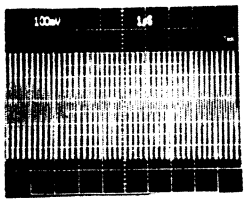
TP202(REC)
3.5Vp-p
CTL PULSE



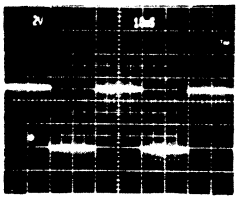
TP203
4.4Vp-p
STILL POSITION



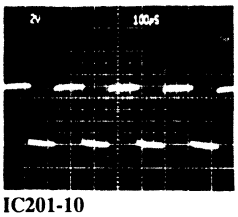
IC201-2
2.5Vp-p
PLAYBACK



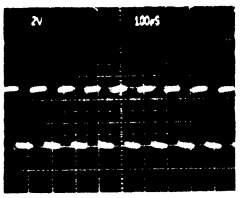
IC201-6
450mVp-p
PLAYBACK



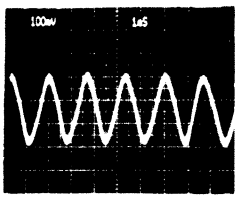
IC201-9
5.0Vp-p
PLAYBACK



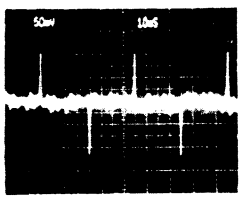
IC201-10
5.0Vp-p
PLAYBACK



IC201-11
5.0Vp-p
PLAYBACK

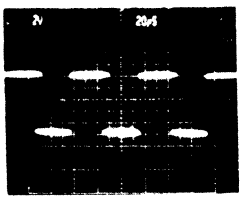


IC201-13
300mVp-p
PLAYBACK



IC201-14
200mVp-p
PLAYBACK

IC201-16
3.0Vp-p
PLAYBACK



IC201-17
5.0Vp-p
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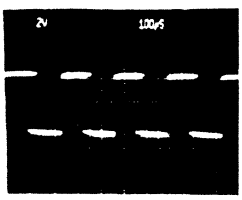
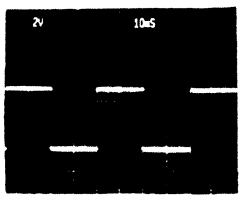


IC201-18
5.0Vp-p
PLAYBACK



IC201-19
5.0Vp-p
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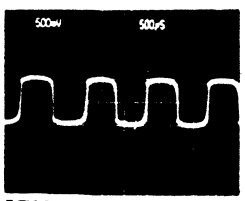

IC201-21
1.0Vp-p
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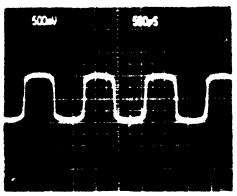

IC201-22
1.0Vp-p
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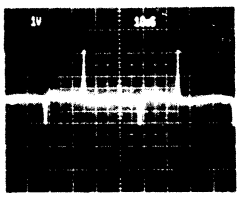
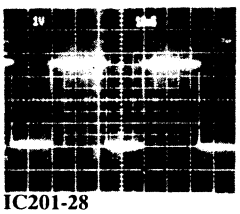
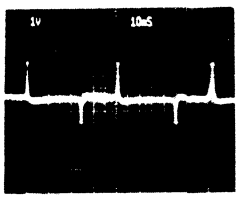


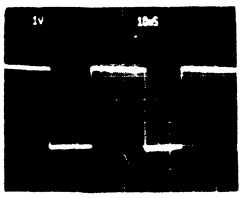
IC201-28
3.0Vp-p
PLAYBACK



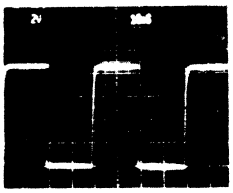
IC201-28
3.5Vp-p
REC



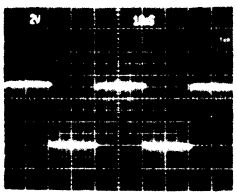
IC201-29
2.5Vp-p
PLAYBACK



IC201-29
3.4Vp-p
REC



IC203-1
8.8Vp-p
PLAYBACK



IC203-3
5.0Vp-p
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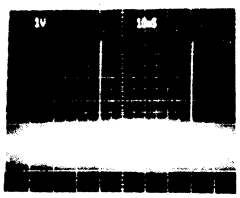
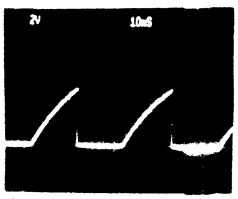


IC203-11
4.5Vp-p
PLAYBACK



IC203-12
5.0Vp-p
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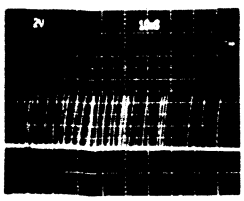
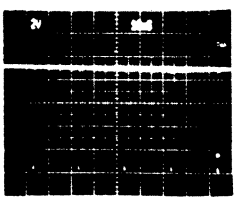
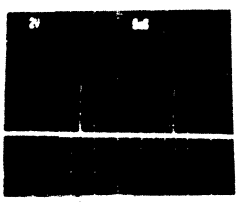


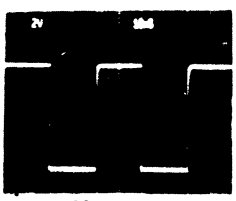
IC203-13
4.2Vp-p
PLAYBACK



IC203-18
9.0Vp-p
PLAYBACK



IC203-19
4.4Vp-p
PLAYBACK



IC203-20
9.0Vp-p
PLAYBACK

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ARCH
EARCH

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5.0
1.8
4.3
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2.0
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FWDS
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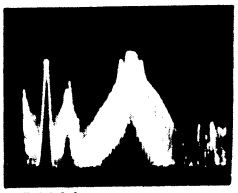
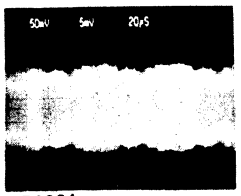
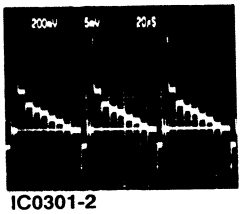


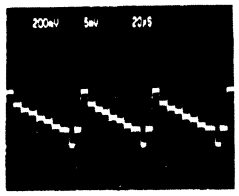
TP3201
TRACKING
SCOPE
SECAM



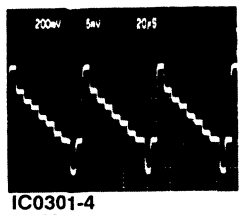
TP3201
152mV
REC



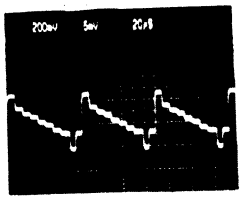
IC0301-2
1.2 Vp-p
REC



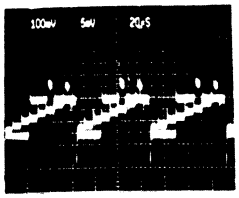
IC0301-3
440mVp-p
REC



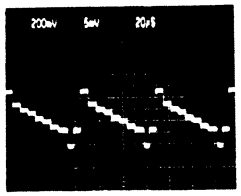
IC0301-4
0.9 Vp-p
REC



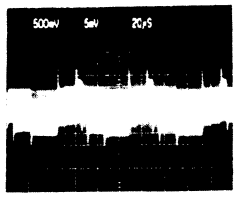
IC0301-5
450m Vp-p
PB



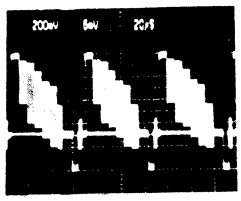
IC0301-6
450m Vp-p
PB



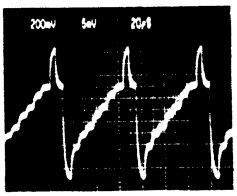
IC0301-6
450 mVp-p
REC



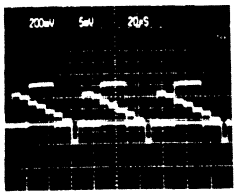
IC0301-7
1.5 Vp-p
PB



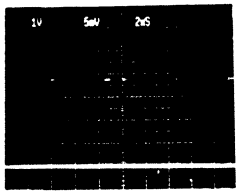
IC0301-7
1 Vp-p
REC



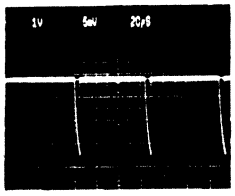
IC0301-8
1.4 Vp-p
REC



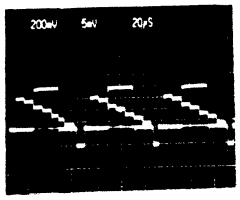
IC0301-9
0.5 Vp-p
PB



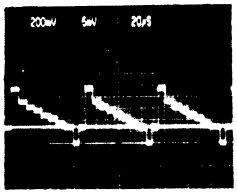
IC0301-11
3.8 Vp-p
PB



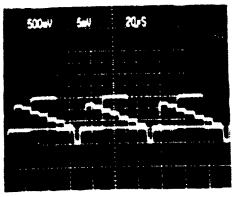
IC0301-11
3 Vp-p
REC



IC0301-12
0.5 Vp-p
PB



IC0301-12
0.5 Vp-p
REC



IC0301-13
1 Vp-p
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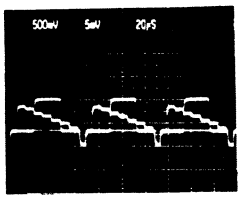
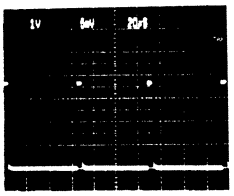
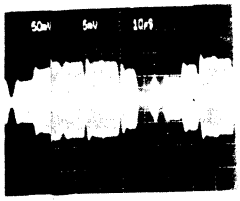


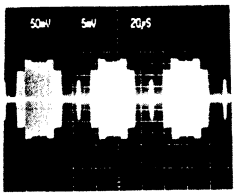
IC0301-14
1 Vp-p
PB



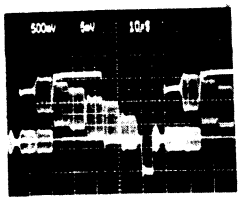
IC0301-17
3.6 Vp-p
PB/REC



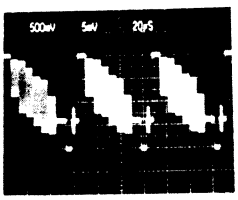
IC0301-19
160mVp-p
PB



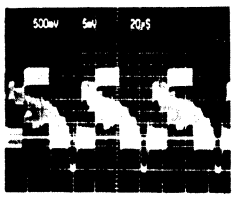
IC0301-19
170 mVp-p
REC



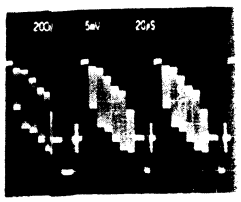
IC0301-21
2.0 Vp-p
PB(PAL)



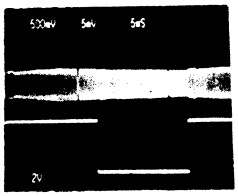
IC0301-21
2.0 Vp-p
REC(PAL)



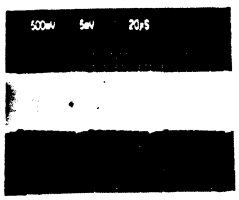
IC0301-21
2.0 Vp-p
PB(SECAM)



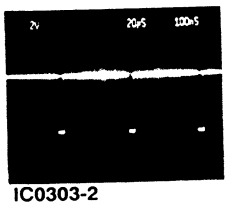
IC0301-24
1 Vp-p
REC



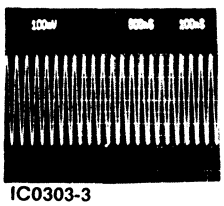
IC0301-26
0.6 Vp-p
PB



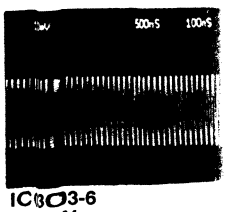
IC0301-30
1.2 Vp-p
REC



IC0303-2
3.0Vp-p
PLAYBACK



IC0303-3
400mVp-p
PLAYBACK



IC0303-6
30m Vp-p
PLAYBACK

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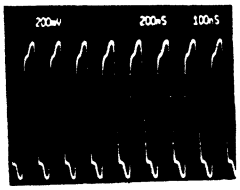
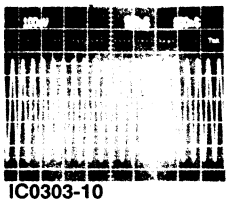


IC0303-8
1.2Vp-p
PLAYBACK



IC0303-10
400mVp-p
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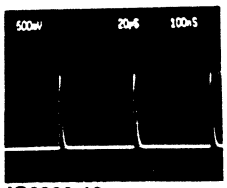
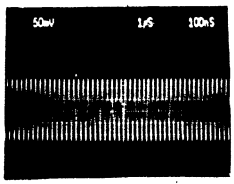
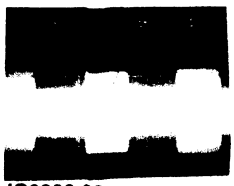


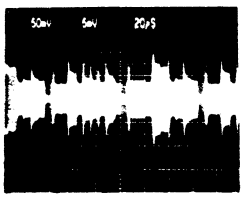
IC0303-13
1.5Vp-p
PLAYBACK



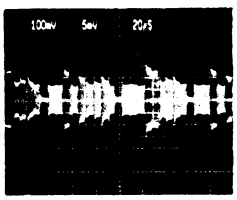
IC0303-14
1.5Vp-p
PLAYBACK



IC0303-20
1.6Vp-p
PLAYBACK

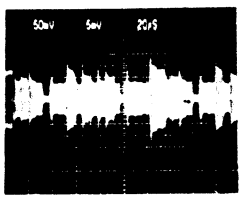


IC0304-3
200 m Vp-p
REC

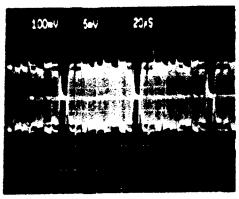


IC0304-4
300 m Vp-p
REC

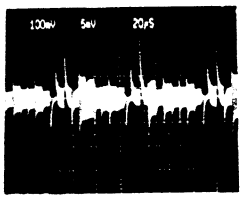
IC0304-5
150 mVp-p
PB



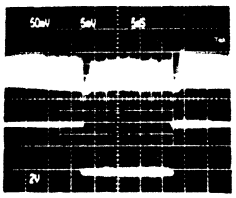
IC0304-5
180 mVp-p
REC



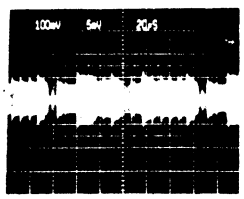
IC0304-6
300 mVp-p
REC



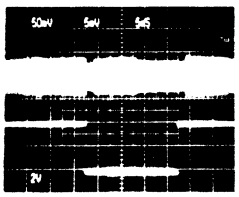
IC0304-7
350 mVp-p
REC



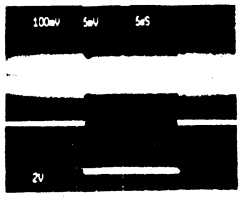
IC0304-8
0.9Vp-p
PB



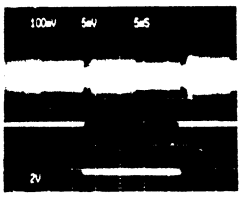
IC0304-9
200 mVp-p
PB



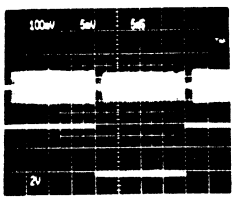
IC0304-11
90 mVp-p
PB



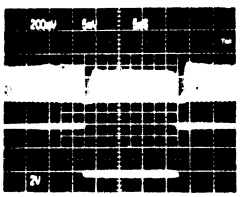
IC0304-13
200 mVp-p
PB



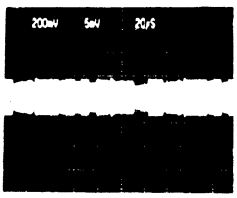
IC0304-14
200 mVp-p
PB



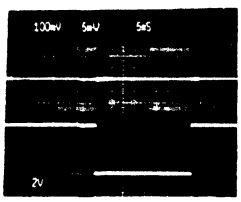
IC0304-16
120 mVp-p
PB



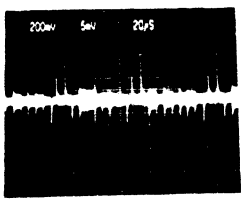
IC0304-17
300 mVp-p
PB



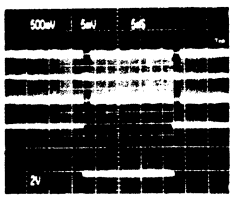
IC0304-20
300 mVp-p
REC



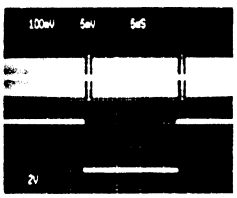
IC0304-20
300 mVp-p
PB



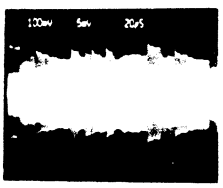
IC0304-21
200 mVp-p
REC



IC0304-25
1 Vp-p
PB



IC0304-27
180 mVp-p
REC



IC0304-30
350 mVp-p
REC

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